

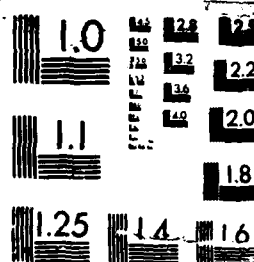
40-4133 513

MATHER AFB CALIFORNIA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS, AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER COOTI A. 15 JUN 37
USAFETAC DC-37 042 F 4/2

14

UNCLASSIFIED

NL



MICROCOPY RESOLUTION TEST CHART

DTIC FILE COPY

ARMY AIRCRAFT LIBRARY
IL 62225-5458
SCOTT AFB, IL 62225-5458

2 JUN 1987

USCA 724835

USAFETAC/DS-87/042

AD-A183 513

OPERATING LOCATION - A
USAFETAC
Air Weather Service (MAC)

DTIC
ELECTE
JUL 30 1987
S



REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MATHER AFB CA
N 38 34 W 121 18 ELEV 96 FT
MSC #724835
KMHR

PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: APR 77 - MAR 87

SUMMARY OF DAY DATA: SEP 41 - MAR 87

"Approved for public release;
Distribution Unlimited."

FEDERAL BUILDING

ASHEVILLE, N.C. 28801 - 2723

REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-87/042, Mather AFB CA RUSSWO Jun 1987, is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

A handwritten signature in cursive script, appearing to read 'Walter S. Burgmann', with a long horizontal flourish extending to the right.

WALTER S. BURGMANN
Scientific and Technical Information Program Manager

REPORT DOCUMENTATION PAGE

- 1a. Report Security Classification: UNCLASSIFIED
3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
4. Performing Organization Report Number: USAFETAC/DS-87/042.
5. Monitoring Organization Report Number: USAFETAC/DS-87/042.
- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
11. Title: (RUSSWO) Mather AFB CA.
12. Personal Author(s):
- 13a. Type of Report: Data Summary
- 13b. Time Covered: Sep 41-Mar 87.
14. Date of Report: Jun 87
15. Page Count: 312
16. Supplementary Notation:
17. COSATI Codes: Field--04, Group--02
18. Subject Terms: *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Mather AFB CA; California; USCA724835
19. Abstract: A six-part statistical data summary of surface weather observations for: Mather AFB CA. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
20. Distribution/Availability of Abstract: Same as report.
21. Abstract Security Classification: UNCLASSIFIED.
- 22a. Name of Responsible Individual: Marianne L. Cavanaugh
- 22b. Telephone: (618)256-2625
- 22c. Office Symbol: USAFETAC/LDD

```

RRRRRRR      UU      SSSSS
RRRRRRR      UU      SSSSSS
RRRRRRR      UU      SSSSSS
RR      RR      SS  SSS
RR      RR      SS  SS
RRRRRRR      UU      SS
RRRRRRR      UU      SS
RRRRRRR      UU      SS
RR      RR      SS  SSS
RR      RR      SSSSSS
RR      RR      SSSSSS
RR      RR      SSSSSS
RR      RR      SSSSSS
UU      UU      SSSSSS
UU      UU
UUUUUUU

```

STATION NAME: MATHER AFB CA

STATION NUMBER: 724835
CALL ID: KWHR
HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: APP 77 - MAR 87

SUMMARY OF DAY DATA: SEP 41 - MAR 87

TIME CONVERSION LST TO GMT: +8

DATE PRODUCED: 15 JUN 1987

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

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

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

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

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

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

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

TABLE OF CONTENTS

STATION HISTORY

PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

PART B: PRECIPITATION, SNOWFALL, AND SNOW DEPTH SUMMARIES

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

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

23060

STATION NO ON MESSAGE		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WIND NUMBER	
724835		MATHER AFB/SACRAMENTO CALIFORNIA		N 38 34		W 121 18		96		KHHR		29	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE SEA		DGS PER DAY
			FROM	TO			FIELD (FT)	WIND (KTS)	
1	Mather Field	AAF	Sep 41	May 48	N 38 25	W 121 20	89	92 ft	24
2	Mather Air Force Base	AFB	Jun 48	6 Apr 53	N 38 33	W 121 18	Same	Same	24
3	Same	Same	7 Apr 53	3 May 62	N 38 34	Same	92	101 ft	24
4	Same	Same	4 May 62	2 Apr 63	Same	Same	106	92 ft	24
5	Same	Same	3 Apr 63	4 Apr 65	Same	Same	96	Same	24
6	Same	Same	5 Apr 65	Feb 76	Same	Same	Same	131 ft	24
7	Same	Same	1 Feb 76	26 Apr 82	Same	Same	Same	92 ft	24
8	Same	Same	27 Apr 82	Mar 87	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				BT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECEIVER	BT ABOVE GROUND		
1	Sep 41	N/A	Acoustic-eter	N/A	N/A		
2	7 Apr 53	Located on control tower	Bellevue	N/A	72 ft		
3	4 Jan 55	Located on top of tower	Same	N/A	90 ft		
4	3 Apr 56	Same	Same	Same	97 ft		
5	15 Jul 60	Located just S of the touchdown area of Rwy 22L	AN/GNQ-11	RO-2	14 ft		
6	5 Apr 61	Located 600 ft SSE of centerline of Rwy 22L	Same	Same	Same		
7	4 May 62	Located 600 ft South 1750 ft West of the approach end of Rwy 22L	Same	Same	Same		
8	4 Apr 66	Located 600 ft S of center and 1800 ft from end of Rwy 22L	AN/GNQ-11	RO-2	13 ft		

NUMBER OF LOCATIONS	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDED	HT ABOVE GROUND	
9	1 Apr 68	2. Located 600 ft S of center and 750 ft from end of Rwy 04R 1. Located 600 ft SE of center-line and 1800 ft from end of Rwy 22L.	Same	Same	Same	
10	31 Dec 70	2. Located 500 ft SE of centerline and 700 ft from end of Rwy 04R 1. Same 2. Located 900 ft SE of center-line and 700 ft from end of Rwy 04R	Same Same Same	Same Same Same	Same Same Same	
11	Feb 76	1. Same 2. Same	Same Same	Same Same	Same Same	
12	Oct 78	1. Located 600 ft SE of center-line and 1800 ft from end of Rwy 22L. 2. Located 600 ft SE of centerline and 1800 ft from end of Rwy 04R.	AN/GMQ	RO-362	Same	
13	Apr 82	1. Same 2. Same	Same	Same	Same	
14	Dec 83	1. Same 2. Same	Same	Same	Same	

AAAAA
AAAAA
AA
AA
AA
AA
AAAAA
AAAAA
AA
AA
AA

TTTTTTTT
TTTTTTTT
TT
TT
TT
TT
TT
TT
TT
TT

RRRRRR
RRRRRR
RR
RR
RR
RRRRRR
RRRRRR
RR
RR
RR
RR
RR

AAAAA
AAAAA
AA
AA
AA
AA
AAAAA
AAAAA
AA
AA
AA
AA

PPPPPP
PPPPPP
PP
PP
PP
PPPPPP
PPPPPP
PP
PP
PP
PP
PP

Accession For	NTIS CRA&I
	DTIC TAB
	Unannounced
	Justification
By	
Distribution /	
Availability Codes	
Dist	Avail and/or Special
A-1	

INSPECTED
4

WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

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

ATMOSPHERIC PHENOMENA SUMMARY

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

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

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

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

HAIL: ALL REPORTED HAIL.

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

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

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

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

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

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

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: JAN

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	PRECIP	FOG	SMOKE E/OR HAZE	DUST E/OR SAND	W/OBST TO VISION	TOTAL OBS
00-02		12.2				12.2	48.7	4.4		49.5	930
03-05		14.2				14.2	51.1	3.4		52.3	930
06-08		15.3				15.3	55.9	3.3		56.7	930
09-11	.1	12.2				12.2	49.4	9.8		54.4	930
12-14	.1	10.9				10.9	34.7	17.8		48.7	930
15-17	.3	12.5				12.5	30.4	21.4		46.1	930
18-20	.1	11.0				11.0	35.2	12.8		42.6	930
21-23		10.6				10.6	40.6	8.3		42.9	930
TOTALS	.1	12.4				12.4	43.3	10.2		49.2	7440

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: FEB

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	PRECIP	FOG	SMOKE E/OR HAZE	DUST E/OR SAND	W/OBST TO VISION	TOTAL OBS
00-02		11.7				11.7	16.5	6.4		18.8	846
03-05		12.3				12.3	18.2	4.1		19.3	846
06-08		12.4				12.4	21.7	5.1		23.4	846
09-11	.1	13.4				13.4	14.2	11.7		22.0	846
12-14	.2	12.1				12.1	6.5	15.2		20.4	846
15-17	.1	13.4				13.4	4.8	14.3		18.3	846
18-20		11.0				11.0	6.7	12.3		16.9	846
21-23	.1	11.5				11.5	10.2	6.6		14.5	846
TOTALS	.1	12.2				12.2	12.4	9.5		19.2	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: MAR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR BLowing HAZE	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		11.3				11.3	4.1	2.5		5.6	930
03-05		14.5				14.5	6.6	2.3		7.6	930
06-08		13.2				13.2	15.3	5.6		17.3	930
09-11		10.5			.1	10.5	7.1	7.4		12.9	930
12-14	.4	10.0				10.0	2.4	7.1		8.9	930
15-17	1.3	11.7				11.7	2.3	5.3	.1	7.4	928
18-20	.3	10.9				10.9	2.6	3.1		5.6	927
21-23	.1	9.7				9.7	2.6	2.5		4.7	927
TOTALS	.3	11.5			.0	11.5	5.4	4.5	.0	8.8	7432

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: APR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR BLowing HAZE	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		4.8				4.8	1.3	.3		1.7	900
03-05		6.3				6.3	3.3	.4		3.4	900
06-08		5.1				5.1	6.6	2.9		7.7	900
09-11		4.9				4.9	1.3	3.2		4.2	900
12-14	.4	5.9				5.9	1.4	2.0		3.4	900
15-17	.2	5.6				5.6	.9	1.3		2.2	900
18-20	.2	4.7				4.7	.7	.6		1.1	900
21-23		4.2				4.2	.2			.2	900
TOTALS	.1	5.2				5.2	2.0	1.3		3.0	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: MAY

HOURS (LST)	TSTMS	RAIN E/DRIZZLE	FRZING RAIN E/DRIZZLE	SNOW E/DRIZZLE	HAIL	PRECIP	W/ST	FOG	HAZE	SMOKE E/DRIZZLE	DUST E/DRIZZLE	SAND	W/ST TO OBS	TOTAL OBS
00-02		1.4					1.4							930
03-05	.1	1.2					1.2	.4	.5				.8	930
06-08		1.3					1.3	1.3	2.7				3.2	930
09-11		1.3					1.3	.1	.4				.5	930
12-14	.2	1.7					1.7	.1	.8				.9	930
15-17	.1	2.0					2.0	.1	.2				.3	930
18-20	.1	2.5					2.5	.1	.1				.1	930
21-23		.4					.4							930
TOTALS	.1	1.5					1.5	.3	.6				.7	7440

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: JUN

HOURS (LST)	TSTMS	RAIN E/DRIZZLE	FRZING RAIN E/DRIZZLE	SNOW E/DRIZZLE	HAIL	PRECIP	W/ST	FOG	HAZE	SMOKE E/DRIZZLE	DUST E/DRIZZLE	SAND	W/ST TO OBS	TOTAL OBS
00-02	.2	.7					.7			.1			.1	900
03-05		1.3					1.3	1.1	1.6				2.0	900
06-08	.1	.9					.9	1.1	3.1			.1	4.0	900
09-11	.2	.7					.7		.6			.3	.9	900
12-14		.2					.2		.3			.1	.4	900
15-17		.4					.4		.3				.3	900
18-20		.7					.7							900
21-23	.2	.7					.7							900
TOTALS	.1	.7					.7	.3	.8			.1	1.0	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: JUL

HOURS (LST)	TSTMS	RAIN C/OR DRIZZLE	FRZING RAIN C/OR DRIZZLE	SNOW C/OR SLEET	HAIL	PRECIP	FOG	SMOKE C/OR HAZE	DUST C/OR SAND	W/OBST TO VISION	TOTAL OBS
00-02	.1	.6				.6	.1			.1	930
03-05	.1	.4				.4	.2	.2		.4	930
06-08		.9				.9	.8	3.9		4.0	930
09-11		.5				.5		.5		.5	930
12-14		.6				.6		.5		.5	930
15-17		.3				.3		1.1		1.1	930
18-20		.2				.2		.4		.4	930
21-23	.1	.2				.2					930
TOTALS	.0	.5				.5	.1	.8		.9	7440

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: AUG

HOURS (LST)	TSTMS	RAIN C/OR DRIZZLE	FRZING RAIN C/OR DRIZZLE	SNOW C/OR SLEET	HAIL	PRECIP	FOG	SMOKE C/OR HAZE	DUST C/OR SAND	W/OBST TO VISION	TOTAL OBS
00-02		.3				.3					930
03-05		.2				.2	.6	1.6		1.8	930
06-08							3.1	9.2		9.9	930
09-11							.1	2.9		3.0	930
12-14		.5				.5		2.2		2.2	930
15-17	.1	.6				.6		2.5		2.5	930
18-20		.4				.4		1.0		1.0	930
21-23		.1				.1		.4		.4	930
TOTALS	.0	.3				.3	.5	2.5		2.6	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: SEP

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	W OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	SNOW	DUST E/OR SAND	W/OBST TO OBS	TOTAL OBS
00-02		2.0				2.0	.3	.1			.3	900
03-05		1.8				1.8	1.6	.6			1.6	900
06-08	.1	2.6			.1	2.6	4.2	4.9			7.3	900
09-11	.1	2.4				2.4	1.1	1.7			2.8	900
12-14	.1	2.7				2.7	.9	.1		.1	1.1	900
15-17	.3	1.9				1.9	.4	.8		.3	1.6	900
18-20	.3	1.8				1.8		.6		.3	.8	900
21-23	.3	2.6				2.6	.3				.3	900
TOTALS	.2	2.2			.0	2.2	1.1	1.1		.1	2.0	7200

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: OCT

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	W OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	SNOW	DUST E/OR SAND	W/OBST TO OBS	TOTAL OBS
00-02	.1	4.3				4.3	4.3	3.9			7.1	930
03-05	.1	3.5				3.5	7.8	4.4			10.0	930
06-08		1.9				1.9	17.4	14.1			24.7	930
09-11		2.3				2.3	5.3	15.6		.2	18.8	930
12-14	.1	3.1				3.1	1.4	12.5		.1	13.7	930
15-17	.2	2.9				2.9	.8	10.2			11.0	930
18-20	.3	3.3				3.3	1.7	6.5			8.1	930
21-23	.1	3.4				3.4	2.3	4.5			6.5	930
TOTALS	.1	3.1				3.1	5.1	9.0		.0	12.5	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR SLEET	SNOW	HAIL	PRECIP	FOG	SMOKE E/OR HAZE	BLOWING E/OR SNOW	DUST E/OR SAND	W/OBST TO VISION	TOTAL OBS
00-02	.1	10.3				10.3	20.4	7.9			25.1	900
03-05		11.3				11.3	23.3	4.2			25.6	900
06-08		9.8		.1		9.8	33.4	8.6			36.6	900
09-11	.1	9.2				9.2	24.1	19.6			38.6	900
12-14		10.6				10.6	12.6	21.6			32.3	900
15-17	.2	11.7				11.7	11.3	20.9		.3	30.6	900
18-20	.1	10.9				10.9	11.7	14.0		.1	24.0	900
21-23		9.8				9.8	17.1	12.0			25.2	900
TOTALS	.1	10.5		.0		10.5	19.2	13.6		.1	29.8	7200

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR SLEET	SNOW	HAIL	PRECIP	FOG	SMOKE E/OR HAZE	BLOWING E/OR SNOW	DUST E/OR SAND	W/OBST TO VISION	TOTAL OBS
00-02		10.1				10.1	50.9	10.1		.3	56.1	930
03-05		12.0				12.0	56.3	7.0		.3	59.8	930
06-08		12.3				12.3	63.4	8.1		.3	65.2	930
09-11		11.2				11.2	57.6	17.4		.3	67.5	930
12-14		9.4				9.4	37.0	26.8		.3	58.7	930
15-17		10.6				10.6	32.8	30.2		.2	55.9	930
18-20		10.6				10.6	38.6	21.0		.1	53.0	930
21-23		9.9				9.9	46.0	16.3			55.3	930
TOTALS		10.8				10.8	47.8	17.1		.2	58.9	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-87
MONTH: ALL

HOURS (LST)	ISMS	RAIN L/DRIZZLE	FRZING RAIN L/DRIZZLE	SNO- L/DRIZZLE	MAIL	8 OBS WITH PRECIP	FOG	SMOKE L/DRIZZLE	SMOKE L/DRIZZLE	DUST L/DRIZZLE	W/OBS TO VISION	TOTAL OBS
JAN ALL	.1	12.4				12.4	43.3	10.2			49.2	7440
FEB	.1	12.2				12.2	12.4	9.5			19.2	6768
MAR	.3	11.5			.0	11.5	5.4	4.5		.0	8.8	7432
APR	.1	5.2				5.2	2.0	1.3			3.0	7200
MAY	.1	1.5				1.5	.3	.6			.7	7440
JUN	.1	.7				.7	.3	.8		.1	1.0	7200
JUL	.0	.5				.5	.1	.8			.9	7440
AUG	.0	.3				.3	.5	2.5			2.6	7440
SEP	.2	2.2			.0	2.2	1.1	1.1		.1	2.0	7200
OCT	.1	3.1				3.1	5.1	9.0		.0	12.5	7440
NOV	.1	10.5		.0		10.5	19.2	13.6		.1	29.8	7200
DEC		10.8				10.8	47.8	17.1		.2	58.9	7440
TOTALS	.1	5.9		.0	.0	5.9	11.5	5.9		.0	15.7	87640

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 72035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 49-87
MONTH: ALL

MONTH	TSTMS	RAIN 6/0R	FRZING RAIN 6/0R	SNOW 6/0R	MAIL	8 OBS WITH PRECIP	FOG	SMOKE 6/0R BLOWING HAZE SNOW	DUST 6/0R SAND	8 OBS W/OBST TO VISION	TOTAL OBS
JAN	1.1	40.6	.1	.5	.5	40.8	65.8	42.4		72.8	1209
FEB	2.3	40.4		.2	.9	40.4	41.6	35.1		50.8	1101
MAR	3.3	36.1		.3	1.3	36.1	22.8	15.3		28.2	1209
APR	2.8	24.0		.1	1.5	23.9	12.0	9.3		16.8	1140
MAY	1.6	12.9			.1	12.9	4.5	6.9		9.4	1178
JUN	1.4	7.3				7.3	2.5	4.6		5.9	1139
JUL	.8	3.5			.1	3.5	.8	5.9		6.2	1178
AUG	.8	5.1				5.1	3.2	10.6		11.6	1177
SEP	2.1	9.9			.2	9.9	7.1	15.9	.1	19.0	1140
OCT	1.6	16.1			.1	16.1	22.2	33.9		42.4	1178
NOV	1.7	34.9		.1	.3	34.9	53.0	52.0		71.1	1140
DEC	.8	44.7	.2	.9	.3	44.8	66.0	51.2	.1	76.4	1178
TOTALS	1.7	23.6	.0	.2	.4	23.6	25.1	23.6	.0	34.2	13967

BBBBBBBBB
BBBBBBBBB
BB BB
BB BB
BBBBBBBBB
BBBBBBBBB
BB BB
BB BB
BBBBBBBBB

TTTTTTTTT
TTTTTTTTT
TT
TT
TT
TT
TT
TT
TT
TT

RRRRRRR
RRRRRRR
RR RR
RR RR
RRRRRRR
RRRRRRR
RR RR
RR RR
RR RR
RR RR

AAAAA
AAAAAAA
AA AA
AA AA
AA AA
AAAAAAA
AAAAAAA
AA AA
AA AA
AA AA
AA AA

PPPPPPP
PPPPPPPP
PP PP
PP PP
PPPPPPPP
PPPPPPPP
PP PP
PP PP
PP PP
PP PP

PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

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

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

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

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .058 WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

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

DATA DERIVED FROM SUMMARY OF DAY DATA

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

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

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

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

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

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

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

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

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

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NAME: MATHER AFB CA

STATION NUMBER: 724835

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02 TO TO	.05 TO TO	.10 TO TO	.25 TO TO	.51 TO TO	1.00 TO TO	2.50 TO TO	5.00 TO TO	10.00 TO TO	20.00 TO TO	OVER 20.00	% DAYS WITH AMTS	TOTAL OBS	MONTHLY AMOUNTS		
																	MEAN	GREATEST LEAST	
JAN	54.0	14.5	3.0	5.5	3.4	5.0	6.2	5.8	2.5	.1					31.5	1426	3.64	11.57	.34
FEB	60.1	10.0	2.1	3.9	3.4	7.1	5.8	5.8	1.7	.2					29.9	1271	2.96	9.88	.51
MAR	64.2	7.5	1.9	3.8	4.3	5.9	6.7	4.1	1.6						28.4	1395	2.81	8.84	.05
APR	74.6	6.6	1.0	3.4	2.5	4.3	4.5	2.2	.8	.1					18.8	1320	1.65	4.74	TRACE
MAY	86.2	4.8	1.3	2.8	1.2	2.0	1.0	.7	.1						9.0	1373	.45	2.06	.00
JUN	92.2	4.1	.4	1.0	.6	1.0	.4	.1							3.6	1350	.15	.80	.00
JUL	96.8	2.4	.2	.2	.1		.1	.1	.1						.9	1395	.07	1.35	.00
AUG	95.7	2.8	.3	.4	.2	.4		.2							1.5	1395	.08	1.01	.00
SEP	91.4	4.0	.7	.9	1.0	.6	1.0	.4	.1						4.6	1380	.29	2.11	.00
OCT	83.3	5.2	.6	2.8	1.3	2.3	2.2	1.6	.4	.1					11.5	1426	1.11	8.66	.00
NOV	66.4	9.1	2.0	4.3	2.1	4.9	5.2	3.9	2.1	.1					24.6	1380	2.68	7.79	TRACE
DEC	55.5	14.2	2.4	4.8	4.6	6.6	5.2	4.8	1.9						30.3	1426	2.94	7.96	.25
ANN	76.7	7.1	1.3	2.8	2.1	3.3	3.2	2.5	.9	.0					16.2	16537			18.83

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

24 HOUR AMOUNTS IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41	1.22	.40	1.18	.80	.30	.00	.00	.00	.00	.48	.53	.93	1.22
42	1.05	.32	1.92	.99	.11	.15	TRACE	.00	.07	.12	.50	.48	1.92
43	.61	1.83	.41	.47	.45	.04	.00	.00	.00	.54	.26	.82	1.83
44	.74	.77	.55	.15	.23	.34	TRACE	TRACE	.00	.94	.75	.50	1.83
45	.40	.26	1.31	.11	.39	.00	TRACE	.00	.00	1.10	.66	.86	1.10
46	.26	.51	.81	.32	.10	.19	.00	.00	.27	.36	1.17	.36	1.17
47	.51	.55	1.14	TRACE	1.05	TRACE	.00	.00	TRACE	.90	1.79	.42	1.79
48	1.27	.96	.83	.52	.13	.00	TRACE	TRACE	TRACE	.67	.34	1.00	1.05
49	.61	.73	.40	.85	.22	TRACE	TRACE	TRACE	TRACE	.08	.38	.29	1.27
50	.59	.56	1.23	.69	.08	.00	.00	.00	.82	1.34	2.28	1.44	2.28
51	1.26	.66	.65	1.52	TRACE	.16	TRACE	.00	TRACE	.71	.97	1.10	1.19
52	.58	.88	1.12	1.12	.32	.50	.00	.07	.03	TRACE	1.07	1.60	1.60
53	.96	.68	.10	.66	.23	TRACE	.00	.24	.06	.32	.73	1.09	1.52
54	.59	.68	.04	.50	.29	TRACE	.00	.00	.29	.02	.80	2.18	2.18
55	1.55	.78	.78	.68	.83	TRACE	.00	.00	.63	.42	.44	1.33	1.33
56	.97	.61	.90	1.62	.68	TRACE	.00	.00	.31	.50	.02	.19	1.55
57	.57	1.06	.32	.43	TRACE	.33	TRACE	TRACE	.31	.49	.28	1.03	1.03
58	1.87	.89	.55	.41	.38	.00	TRACE	.01	.18	.18	.10	.44	1.62
59	.94	.31	1.05	.38	.66	TRACE	TRACE	.00	1.87	.00	TRACE	.55	4.34
60	.93	.87	.81	.43	.37	.00	TRACE	.00	.08	TRACE	1.02	.67	1.02
61	1.05	.29	.39	.28	.35	TRACE	TRACE	TRACE	.13	.06	1.55	.69	1.55
62	1.79	.32	.80	.97	.01	TRACE	.01	.39	.01	.43	.28	.97	4.36
63	2.42	.35	.09	.20	.26	TRACE	.00	TRACE	.26	.82	1.44	.13	1.88
64	.86	.58	.80	.85	.12	.33	TRACE	.18	.00	.96	.94	2.17	2.42
65	.66	.53	.41	.36	.76	.14	TRACE	.56	TRACE	.31	.66	1.16	1.16
66	2.64	1.57	.33	1.13	.02	.79	.06	.01	.01	.00	1.25	.74	1.25
67	2.16	1.56	.93	.12	TRACE	.65	.00	TRACE	TRACE	.11	.32	.38	2.64
68	1.53	.56	.93	.12	TRACE	.65	.00	TRACE	TRACE	.30	1.21	.65	1.57
69	1.53	.56	.93	.12	TRACE	.65	.00	TRACE	TRACE	.68	1.02	1.05	2.16
70	1.53	.56	.93	.12	TRACE	.65	.00	TRACE	TRACE	.42	2.61	.73	2.61

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
71	.42	.22	.75	.26	.54	.10	.00	TRACE	.01	.29	.31	1.16	1.16
72	.38	1.01	.56	.84	.19	.17	.00	.00	.39	.62	.91	.52	1.01
73	1.34	1.70	.83	.33	.03	.00	.00	.00	.11	1.09	1.08	.77	1.70
74	.56	.40	.67	.54	.00	.44	1.33	TRACE	.00	.68	.57	.75	1.33
75	.75	.97	1.01	.61	.02	.03	.04	.99	.06	.65	.12	.08	1.01
76	.35	.43	.55	.47	.00	.08	.00	.63	.82	.01	.38	.30	.82
77	.55	.33	.73	.33	.58	TRACE	TRACE	TRACE	.44	.34	1.08	1.04	1.08
78	2.13	.99	1.26	1.00	.00	TRACE	.30	TRACE	.28	TRACE	1.37	.45	2.13
79	1.26	1.11	.43	.56	.09	.00	.28	TRACE	.10	1.54	.86	1.09	1.54
80	1.26	1.18	.97	.57	.30	.02	.64	TRACE	.00	.12	.34	.80	1.26
81	1.40	.22	1.10	.83	.33	.00	TRACE	.00	.33	.95	2.35	1.55	2.35
82	2.60	1.37	1.96	1.37	TRACE	.18	.00	TRACE	.77	1.47	1.84	1.61	2.60
83	1.34	1.07	1.49	2.01	.19	.16	.00	.17	.66	.34	1.87	2.17	2.17
84	.14	.41	.67	.19	.02	.11	.02	.17	.09	.93	.82	.41	.93
85	.47	1.14	1.20	.16	TRACE	.05	TRACE	.02	.62	.56	1.57	1.05	1.57
86	1.28	2.63	1.30	1.12	.06	.00	TRACE	.00	.42	.18	.21	.46	2.63
87	.80	1.23	1.91										

MEAN	1.069	.874	.869	.752	.292	.118	.067	.073	.220	.586	.892	.875	1.744
S.D.	.629	.579	.478	.713	.304	.187	.232	.193	.351	.702	.641	.519	.778
TOTAL OBS	1426	1271	1395	1320	1373	1350	1395	1395	1380	1426	1380	1426	16537

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

PERIOD OF RECORD: 41-87

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41	4.26	1.99	2.41	4.31	.86	.00	.00	.00	.00	.56	1.19	4.16	17.49
42	3.36	1.09	5.47	1.54	.11	.20	TRACE	.00	.07	.20	1.65	1.94	15.57
43	2.32	6.73	.60	1.48	.79	.04	.00	.00	.00	.89	.56	2.35	17.75
44	1.14	2.22	2.28	.15	.42	.34	TRACE	TRACE	.00	1.69	2.48	1.62	14.82
45	.47				.53	.00	TRACE	.00	.27	.50	1.89	1.57	
46	.35	2.14	3.87	.15	.16	.20	.00	.00	TRACE	2.32	2.32	.67	12.18
47	.81	1.74	2.79	1.89	2.06	TRACE	.00	.00	TRACE	.67	.90	3.90	14.76
48	1.54	1.31	5.04	TRACE	.23	.00	TRACE	TRACE	TRACE	.08	.67	1.19	10.06
49	3.09	1.91	1.79	1.17	.41	TRACE	TRACE	TRACE	.82	2.92	4.57	5.87	22.55
50	2.84	1.78	.98	.85	1.08	.00	.00	.00	TRACE	1.12	2.49	4.09	15.23
51	7.04	1.49	3.20	1.37	TRACE	.35	TRACE	.00	.03	TRACE	2.53	6.87	22.88
52	3.23	.73	1.58	3.05	.86	.65	.00	.07	.06	.39	2.24	1.12	13.98
53	2.61	2.05	3.81	1.71	.23	TRACE	.00	.26	.00	.04	2.72	5.65	19.08
54	2.76	1.64	.14	2.18	.36	TRACE	.00	.00	.29	.61	1.17	7.31	16.48
55	6.73	2.21	.05	1.30	1.38	TRACE	TRACE	.00	.63	1.08	.02	.25	13.65
56	1.90	3.40	2.83	1.30	1.90	TRACE	.00	.00	.68	1.00	.36	3.07	16.44
57	4.00	6.22	5.89	3.74	.73	.53	TRACE	TRACE	.18	.18	.18	.68	22.33
58	6.08	4.34	.93	4.40	TRACE	.00	TRACE	.01	2.11	.00	TRACE	1.22	19.09
59	4.09	3.71	1.57	.88	.42	.00	TRACE	.00	.08	TRACE	3.86	1.18	15.79
60	3.20	.81	3.71	.94	.55	TRACE	TRACE	TRACE	.13	.12	3.25	1.43	14.14
61	1.19	9.00	2.50	.53	.74	TRACE	.01	.11	.01	8.66	.31	1.97	25.03
62	3.96	2.40	4.57	4.74	1.24	TRACE	.00	TRACE	.26	1.82	5.91	.38	25.28
63	4.80	.68	1.45	.28	.48	.63	TRACE	.18	.00	1.60	3.72	7.96	21.78
64	3.47	.71	1.84	3.54	.01	TRACE	TRACE	.57	TRACE	.31	2.73	3.90	17.08
65	1.69	1.56	.28	.40	.27	.02	.06	.01	.02	.00	6.26	2.55	13.12
66	6.58	.58	3.24	3.90	.23	.62	.56	TRACE	TRACE	.21	1.51	1.03	18.46
67	3.43	2.40	2.00	.36	.80	.15	TRACE	.14	TRACE	.60	3.49	3.21	16.58
68	11.57	8.39	1.18	1.56	.02	.80	.06	.00	TRACE	.72	1.13	4.06	29.49
69	8.12	1.64	2.07	.17	TRACE	.78	.00	.00	TRACE	1.14	7.79	4.11	25.82
70													

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 41-87

STATION NUMBER: 724835 STATION NAME: HATHER AFB CA

TOTAL MONTHLY PRECIPITATION IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 46-87

STATION NUMBER: 724835

MONTH	AMOUNTS IN INCHES												25.5 TO 50.4	OVER 50.4	4 DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS
	NONE	TRACE	0.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 6.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4					
JAN	99.5	.5														1302	TRACE
FEB	99.8	.2														1158	TRACE
MAR	99.6	.4														1271	TRACE
APR	100.0															1200	.0
MAY	100.0															1249	.0
JUN	100.0															1230	.0
JUL	100.0															1271	.0
AUG	100.0															1271	.0
SEP	100.0															1230	.0
OCT	100.0															1271	.0
NOV	99.9	.1														1230	TRACE
DEC	99.1	.7	.1	.1											.2	1271	1.8
ANN	99.8	.2	.0	.0	.0										.0	14954	.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 46-87

24 HOUR AMOUNTS IN INCHES

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

YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS

46	.0	.0	.0	.0	*.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 46-87

24 HOUR AMOUNTS IN INCHES

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
83	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
84	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE

MEAN	TRACE	TRACE	TRACE	.00	.00	.00	.00	.00	.00	.00	TRACE	.04	.04
S.D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.234	.237
TOTAL OBS	1302	1158	1271	1200	1249	1230	1271	1271	1230	1271	1230	1271	14954

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 46-87

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	.0	.0	.0	.0	*.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 46-87

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	TRACE	0	0	0	0	0	0	0	0	0	0
83	0	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE
84	0	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE
85	0	0	0	0	0	0	0	0	0	0	0	0	TRACE
86	0	0	0	0	0	0	0	0	0	0	TRACE	0	TRACE
87	0	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
MEAN	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	TRACE	0	0
S.D.	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OBS	1302	1158	1271	1200	1249	1230	1271	1271	1230	1271	1230	1271	14954

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 720835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0
S.D.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL OBS	1426	1271	1395	1320	1373	1350	1395	1395	1300	1426	1300	1426	16537

NOTE * BASED ON LESS THAN FULL MONTHS

PPPPPPPP
PPPPPPPPPP
PP PP
PP PP
PPPPPPPP
PPPPPPPP
PP
PP
PF
PP

AAAAA
AAAAAA
AA AA
AA AA
AA AA
AAAAAA
AAAAAA
AA AA
AA AA
AA AA
AA

RRRRRR
RRRRRRRR
RF RR
RR RR
RRRRRR
RRRRRR
RR RR
RR RR
RR RR
RR RR
RR RR
RR RR

TTTTTTTT
TTTTTTTT
TT
TT
TT
TT
TT
TT
TT
TT
TT
TT

CCCCC
CCCCCCC
CC
CC
CC
CC
CC
CC
CCCCC
CCCCC
CC

SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF JAW DATA.

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

SPEEDS PRESENTED IN KNOTS.

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

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

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

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

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

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

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

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

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 46-87

DAILY PEAK GUSTS IN KNOTS
-M-0-N-T-N-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	N	SSE 43	SSE 41	N	31	NW 45	SSW 30	SSW 26	SSW 30	SSW 37	NW 33	NW 22	NW 45
47	S	NW 43	SSE 41	SSE 41	SE 35	NW 31	SW 28	SW 24	SW 29	NW 25	N 34	NW 41	SSE 51
48	NW 53	SSE 49	SSE 45	SW 22	SW 35	NW 30	SSW 27	SSW 23	SSW 29	NW 33	S 47	SSE 48	NW 53
49	SSE 57	SSE 47	SW 33	NW 31	SSE 31	NW 33	S 27	S 26	S 21	S 63	SSE 52	SSW 53	S 63
50	SSE 56	SE 31	SE 38	SW 29	NW 31	NW 31	SSW 28	SW 27	N 23	N 20	S 37	SSW 56	SSE 56
51	SSE 59	S 37	S 62	NW 35	SSW 36	SSW 35	WSW 31	SW 24	SW 30	SW 19	SSE 56	SSE 64	SSE 64
52	S 51	NNE 40	SSE 51	S 40	WSW 32	W 28	W 21	WSW 24	WSW 25	NNE 47	SSE 55	NW 37	SSE 55
53	SSE 61	S 59	SSW 41	SSE 41	WSW 30	WSW 31	SW 24	SW 24	SW 29	NW 38	SSE 42	SSE 61	SSE 61
54	SSE 50	S 42	NNE 32	SE 43	NNE 43	SW 27	SSW 28	SW 23	NW 33	NW 27	SE 46	SE 55	SE 55
55	SE 59	SSE 51	NW 42	SSE 42	SSW 33	SSW 30	WSW 30	WSW 22	SW 19	SSE 33	NNE 35	N 30	SE 59
56	SE 43	SE 60	S 28	N 37	S 34	SSW 30	SW 24	SSW 23	SSE 24	SSE 40	NW 40	SSE 35	SE 60
57	SE 45	SE 55	SE 50	SE 53	SSW 24	S 23	SW 25	SW 17	S 35	NW 26	N 32	SE 30	SE 55
58	SE 56	SE 58	NW 36	SSE 28	S 27	SSW 23	SSW 19	SSW 17	SSE 50	N 49	NW 26	N 31	SE 58
59	SSE 39	SE 59	NW 39	SSE 37	NW 35	NW 30	W 20	S 26	WSW 30	N 36	SSE 42	S 49	SE 59
60	SSE 31	NW 33	NW 45	WSW 32	N 29	SW 24	SW 25	SW 21	NW 34	NW 35	SSE 36	SSE 30	NW 45
61	SSE 50	S 44	S 51	NW 26	WSW 28	NW 25	WSW 21	SW 22	SSW 19	SSE 43	NW 25	SE 31	S 51
62	SSE 43	NW 27	SSE 38	SSE 28	SSW 30	NW 27	SW 20	SW 18	SSW 22	SW 22	WSW 21	SE 18	SSE 43
63	SSE 48	NW 32	SSE 41	SSW 38	SW 30	WSW 26	NW 26	SSW 26	NW 36	SW 22	SE 42	S 49	SSE 48
64	S 48	NW 36	NW 28	SSE 36	NW 40	SW 26	S 27	SSE 22	NW 41	NW 30	ESE 41	SE 46	S 48
65	ESE 31	NW 36	WSW 23	S 33	SW 31	SSW 30	SSW 33	SW 26	NW 28	NW 36	SE 48	SSE 46	SE 48
66	SE 52	SW 24	SSE 42	SSE 28	N 27	SSE 30	SW 16	SSW 15	SW 30	NW 32	SE 35	SSE 42	SE 52
67	SSE 39	SSE 27	SW 35	NW 31	SW 24	N 35	23	24	36	25	15	16	SSE 39
68	16/ 47	15/ 62	34/ 27	23/ 29	33/ 24	5/ 31	30	20	17	22	33	16	15/ 62
69	13/ 42	16/ 32	34/ 31	18/ 29	31/ 27	35/ 36	26	20	28	34	32	16/ 50	16/ 50
70	16/ 41	34/ 31	34/ 39	22/ 29	31/ 27	23/ 22	23	21	21	33	16	16/ 48	16/ 48
71	16/ 50	22/ 22	24/ 31	35/ 40	26/ 19	26/ 25	22	21	33	22	28	16/ 38	16/ 50
72	16/ 45	15/ 34	16/ 34	34/ 26	33/ 28	23/ 22	23	20	19	18	17	15/ 28	22/ 54
73	14/ 28	16/ 40	16/ 34	15/ 34	22/ 21	34/ 35	23	19	32	33	17	15/ 45	15/ 45
74	16/ 56	15/ 54	16/ 46	35/ 29	33/ 41	21/ 27	19	24	21	25	9	16/ 29	16/ 56
75													

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

CONTINUED ON NEXT PAGE.....

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 46-87

DAILY PEAK GUSTS IN KNOTS
-M-0-M-T-M-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPI	OCTI	NOVI	DECI	ALL MONTHS
76	36/ 29	23/ 37	15/ 48	33/ 36	23/ 27	34/ 32	22/ 26	23/ 26	21/ 30	33/ 30	33/ 26	35/ 32	15/ 48
77	15/ 37	20/ 26	35/ 36	33/ 34	24/ 22	34/ 21	22/ 18	34/ 25	21/ 21	18/ 26	17/ 44	16/ 42	17/ 44
78	16/ 56	15/ 60	17/ 35	34/ 28	35/ 43	32/ 24	22/ 22	21/ 23	33/ 31	34/ 32	15/ 23	22/ 34	15/ 60
79	15/ 38	14/ 40	15/ 45	26/ 30	23/ 28	32/ 30	32/ 24	24/ 23	20/ 20	22/ 28	15/ 30	35/ 47	35/ 47
80	16/ 48	15/ 50	33/ 45	23/ 37	1/ 32	24/ 28	26/ 24	24/ 24	21/ 23	34/ 26	34/ 29	15/ 45	15/ 50
81	18/ 48	35/ 41	15/ 29	33/ 25	24/ 31	21/ 31	23/ 26	20/ 20	33/ 25	15/ 31	14/ 52	16/ 39	14/ 52
82	16/ 46	34/ 31	17/ 45	15/ 37	36/ 21	22/ 24	23/ 20	24/ 19	34/ 31	35/ 26	12/ 48	16/ 37	12/ 48
83	16/ 45	16/ 44	20/ 40	34/ 30	31/ 28	21/ 28	25/ 21	23/ 18	17/ 24	23/ 18	16/ 33	18/ 44	16/ 45
84	35/ 34	12/ 26	32/ 34	34/ 32	32/ 25	33/ 27	21/ 22	24/ 23	34/ 24	15/ 43	15/ 44	31/ 34	15/ 44
85	35/ 29	7/ 38	15/ 43	35/ 32	23/ 26	34/ 21	18/ 23	22/ 21	24/ 24	35/ 23	16/ 32	15/ 46	15/ 46
86	26/ 28	16/ 49	15/ 46	34/ 28	23/ 26	34/ 23	23/ 22	21/ 18	17/ 34	33/ 33	33/ 30	14/ 20	16/ 49
87	35/ 37	16/ 41	15/ 33										
MEAN	44.3	41.4	39.7	32.8	30.0	28.6	23.7	22.5	27.9	32.3	30.5	39.5	52.0
S.D.	9.742	11.286	7.840	6.448	6.021	5.346	3.944	3.440	6.572	8.501	9.570	9.880	6.266
TOTAL OBS	1262	1149	1257	1150	1198	1179	1235	1230	1191	1225	1179	1248	1451

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.4	1.6	.9	.6							5.5	5.3
NNE	1.5	.3	.3								2.2	3.3
NE	3.2	.5									3.8	2.5
ENE	1.9	.6	.1								2.7	2.6
E	1.9	1.1	.2								3.2	3.3
ESE	4.0	5.4	.5	.2							10.1	4.1
SE	2.9	3.9	1.1	.9	.1						8.8	5.5
SSE	2.0	2.4	1.9	2.7	1.0	.8	.3				11.1	10.2
S	2.0	2.0	1.3	.4	.3	.2	.3				6.7	7.7
SSW	.8	.5	.4	.2							1.9	5.1
SW	.3	.2									.5	3.2
WSW		.2									.2	5.0
W	.3	.2									.5	2.6
WNW		.2	.1								.3	6.7
NW	.5	1.1	.1								1.7	4.1
NNW	1.2	1.8	1.3	.5							4.8	6.2

VARIABLE

CALM	////////////////////	35.9	////
TOTALS	25.1 22.2 8.3 5.6 1.4 1.0 .6	100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	3.2	2.0	.8	1.0								7.0	5.2
NNE	2.2	.4	.2									2.8	2.9
NE	2.7	.4										3.1	2.3
ENE	1.6	.4										2.0	2.6
E	2.8	1.7										4.5	2.9
ESE	2.5	2.6	1.2	.1								6.3	4.5
SE	2.6	3.1	1.4	1.0	.2							8.3	5.8
SSE	1.6	1.7	1.5	1.4	1.0	.9	.4					8.5	11.0
S	2.4	1.0	1.5	1.1	.1	.5						6.6	7.9
SSW	.6	.4	.2	.1	.1							1.5	6.1
SW	1.0	.3	.1									1.4	2.9
WSW	.4	.3										.8	3.1
W	.4	.1										.5	2.2
WNW	.2	.4	.1									.8	4.4
NW	.9	1.0	.2	.2								2.3	5.0
NNW	.8	1.7	1.0	.5								4.0	6.4

VARIABLE

CALM	////////////////////	39.7	////
TOTALS	25.8 17.7 8.2 5.4 1.4 .4	100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS(LST): 0600-0800

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.3	2.4	1.6	.8	.1							7.1	6.1
NNE	2.0	.2										2.3	2.5
NE	2.0	.6										2.7	2.4
ENE	1.7	.6										2.4	2.9
E	2.0	1.1										3.1	2.9
ESE	2.4	1.6	.8	.1								4.8	4.5
SE	2.4	3.3	1.3	1.1	.3							8.4	6.2
SSE	1.5	2.2	2.5	1.7	1.2	.9	.1					10.0	10.5
S	1.5	.9	.8	.6	.1	.1						4.0	6.7
SSW	.5	.4	.2	.1	.1							1.4	6.7
SW	1.4	.2	.1			.1						1.8	3.8
WSW	.6	.3	.1									1.1	3.2
W	.6	.2										.9	2.4
WNW	.5	.3										.9	3.5
NW	.6	1.5	.4	.1								2.7	5.1
NNW	1.1	2.3	.8	.5								4.6	5.8

VARIABLE

CALM	23.3	18.2	8.5	5.1	1.8	1.1	.1					41.9	////
TOTALS	23.3	18.2	8.5	5.1	1.8	1.1	.1					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.1	3.4	1.4	.8	.4						9.1	5.8
NNE	2.6	.3	.1								3.0	2.4
NE	1.0	.3									1.3	2.5
ENE	1.2	.4	.1								1.7	3.0
E	1.4	1.0	.1								2.5	3.3
ESE	1.7	1.3	.5	.3							3.9	4.5
SE	1.1	2.6	2.0	1.0	.3	.2					7.2	7.8
SSE	1.0	2.9	2.4	3.5	1.0	.8	.2				11.7	11.1
S	2.2	3.5	2.4	.5	.3	.1					9.0	6.5
SSW	1.7	.9	.2	.2		.1					3.1	4.9
SW	1.5	.3		.1		.1					2.0	4.4
WSW	.6		.2		.1						1.1	5.7
W	1.2	1.0	.1	.1							2.4	3.6
WNW	1.5	.3									1.8	2.5
NW	2.0	1.2	.1		.1						3.4	3.7
NNW	1.8	2.2	1.8	1.2	.2						7.2	7.1
VARIABLE												
CALM												29.5
TOTALS	25.6	21.6	11.6	7.7	2.5	1.3	.2				100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N	2.5	2.5	1.4	.8	.6	.2						8.0	7.3
NNE	1.1	.2	.2									1.5	3.0
NE	1.0											1.0	2.1
ENE	.1	.2	.1									.4	4.5
E	.4	.2										.6	2.3
ESE	1.2	.5	.1	.1		.1						2.0	5.0
SE	1.5	1.4	1.6	.6	.3	.1						5.6	7.4
SSE	1.9	2.6	2.0	3.5	1.1	.5						11.7	9.7
S	3.9	2.8	3.7	2.3	.5	.1	.1					13.3	7.3
SSW	2.5	2.2	.9	.6								6.1	5.2
SW	1.8	1.5	.4	.2		.1						4.1	4.4
WSW	1.7	1.0	.1	.2	.1							3.1	4.4
W	4.2	1.2	.2									5.6	2.8
WNW	2.3	1.7	.3									4.3	3.6
NW	2.4	2.0	1.6	.1	.1							6.2	5.0
NNW	1.7	2.3	1.9	1.2	1.1	.5						8.7	9.0

VARIABLE

CALM

TOTALS

30.1 22.3 14.6 9.7 3.9 1.7 .1 17.6 100.0 5.4

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	2.8	2.7	1.0	1.0	.2							7.6	5.7
NNE	.9	.3	.3									1.5	4.1
NE	.5	.3	.3	.1								1.3	5.2
ENE	.2											.2	1.5
E	.6	.5										1.2	3.0
ESE	.6	.6	.1	.2								1.6	4.9
SE	2.4	2.0	1.2	1.1	.3	.2	.1					7.3	7.3
SSE	3.0	3.5	2.3	2.5	1.1	.4	.2					13.0	8.8
S	3.5	3.7	2.3	1.3								10.8	5.6
SSW	2.3	2.9	.5	.3								6.0	4.5
SW	1.7	.8	.1									2.6	3.2
WSW	1.5	.6	.3	.1								2.6	3.8
W	2.7	1.4	.1									4.2	2.9
WNW	1.5	1.2	.3									3.0	3.6
NW	1.6	2.5	1.1	.5	.1							5.8	5.4
NNW	1.5	2.9	2.5	1.8	1.0	.1						9.8	8.7

VARIABLE

CALM	21.5	////
TOTALS	27.4	26.0 12.4 8.9 2.7 .8 .3

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.5	3.2	.5	1.3	.1						7.6	5.9
NNE	1.6	.9	.1								2.6	3.2
NE	1.0	.2									1.2	2.5
ENE	.9	.2	.1								1.2	3.2
E	1.8	.6									2.5	2.7
ESE	3.5	3.5	.2								7.3	3.5
SE	3.4	5.2	1.8	.5		.1					11.1	5.0
SSE	2.2	2.4	2.0	1.9	1.0	.2	.1				9.8	8.8
S	3.0	2.7	1.5	1.1	.3	.1					8.7	6.1
SSW	1.1	.3	.2	.2	.3						2.2	6.5
SW	.6	.2	.2								1.1	3.8
WSW	.1	.1									.2	4.0
W	.3	.1									.4	2.8
WNW	.5	.1			.1						.8	4.9
NW	.6	1.6	.4								2.7	4.5
NNW	1.8	2.4	1.9	.9							7.0	6.0

VARIABLE									
CALM	////////////////////							33.8	////
TOTALS	25.1	23.8	9.1	5.9	1.8	.4	.1	100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(1ST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	1.9	1.9	1.3	1.2	.1							6.5	6.7
NNE	1.7	.5	.1	.1								2.5	3.1
NE	1.7	.4										2.2	2.4
ENE	1.7	.4	.1									2.3	2.9
E	3.1	2.4	.4									5.9	3.6
ESE	4.9	5.2	.5	.1								10.8	3.8
SE	3.7	3.7	2.5	.5		.2						10.5	5.7
SSE	1.9	2.6	1.8	1.5	1.1	.4						9.4	8.8
S	1.3	1.4	1.2	1.3	.2	.2	.1					5.7	8.4
SSW	.8	.6	.5	.4								2.4	6.4
SW	.8	.4		.1								1.3	3.2
WSW	.4	.1			.1							.6	5.0
W	.1											.1	2.0
WNW	.3	.2	.1									.6	3.8
NW	1.4	1.3		.1								2.8	3.6
NNW	.9	1.4	.5	.2								3.0	5.2

VARIABLE

CALM	26.7	22.6	9.1	5.6	1.5	.9	.1					33.5	////
TOTALS	26.7	22.6	9.1	5.6	1.5	.9	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56		
N	2.6	2.5	1.1	.9	.2	.0						7.3	6.0
NNE	1.7	.4	.2	.0								2.3	3.0
NE	1.6	.4	.0	.0								2.1	2.6
ENE	1.2	.4	.1									1.6	2.9
E	1.8	1.1	.1									2.9	3.2
ESE	2.6	2.6	.5	.1		.0						5.9	4.1
SE	2.5	3.1	1.6	.8	.2	.1	.0					8.4	6.2
SSE	1.9	2.5	2.1	2.4	1.0	.6	.2					10.6	9.8
S	2.5	2.2	1.8	1.1	.2	.2	.1					8.1	6.9
SSW	1.3	1.0	.4	.3	.1	.0						3.1	5.3
SW	1.1	.5	.1	.1		.0						1.9	3.8
WSW	.7	.3	.1	.0	.0							1.2	4.2
W	1.2	.5	.1	.3								1.8	2.9
WNW	.9	.6	.1		.0							1.6	3.6
NW	1.3	1.5	.5	.1	.0							3.5	4.7
NNW	1.3	2.1	1.5	.9	.3	.1						6.1	7.2

VARIABLE													
CALM	////////////////////												31.7
TOTALS	26.1	21.8	10.2	6.7	2.1	1.1	.3					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 7440

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0000-0200

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	1.9	1.9	1.1	.7	.1							5.7	6.1
NNE	1.3	.9	.1	.1								2.5	4.0
NE	3.2	.1										3.3	2.3
ENE	1.7	.1										1.8	2.4
E	3.1	1.2	.1									4.4	2.9
ESE	5.4	8.2	.8	.1								14.5	4.0
SE	3.9	6.3	1.8	.9								12.9	5.3
SSE	.8	3.0	2.6	1.9	.9	.9						10.2	10.4
S	.5	.9	2.5	1.2	.7	.6						6.4	11.0
SSW	.4	.2	.4	.5	.2							1.7	9.1
SW	.1	.4	.5	.4								1.3	8.5
WSW	.1	.1										.2	2.5
W	.1	.1										.2	4.0
WNW	.4	.1	.1									.6	3.8
NW	.6	.5	.2									1.3	4.2
NNW	.6	1.3	.7	.7	.1							3.4	6.9

VARIABLE

CALM

TOTALS

29.7
100.0
4.3

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 79-87
MONTH: FEB HOURS(LST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.5	1.2	.9	.8	.1							4.6	6.3
NNE	.9	1.1										2.0	3.3
NE	3.0	.1										3.1	2.2
ENE	1.8	.4	.1									2.2	2.8
E	2.4	1.5										3.9	3.1
ESE	4.5	5.0	.2									9.7	3.6
SE	2.8	6.7	1.8	.6	.1	.1						12.2	5.6
SSE	.8	1.9	2.6	3.5	.5	1.3						10.6	11.1
S	.7	.9	2.8	2.1	.6	.1						7.3	10.3
SSW	.4	.4	.4									1.1	5.1
SW	.2		.1	.4								.7	8.7
WSW		.1		.2								.4	9.3
W	.1		.1									.2	4.0
WNW	.1	.1										.2	3.0
NW	.1	.4	.1	.1								.7	6.8
NNW	.8	.9	1.3	1.3								4.4	7.7

VARIABLE

CALM
TOTALS

36.6
100.0

1.5

1.3

9.1

10.5

20.7

20.2

TOTAL NUMBER OF OBSERVATIONS: 846

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS/STATION: 0600-0800

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.7	1.2	1.1	.8	.2							5.0	6.9
NNE	1.5	.8	.2									2.6	3.2
NE	1.8	.4										2.1	2.5
ENE	1.1	.6										1.7	2.9
E	2.8	1.4										4.3	3.1
ESE	2.7	2.8	.6									6.1	4.1
SE	3.3	5.4	2.0	.5	.1							11.3	5.2
SSE	1.8	1.2	4.1	3.4	2.0	.6						13.1	11.2
S	1.3	1.8	2.0	1.8	.5							7.3	8.5
SSW		.5	.5	.4								1.3	7.7
SW	.4	.1	.1	.1								.7	5.7
WSW	.2											.2	2.0
W	.4	.4	.2									.9	4.8
WNW	.4	.4		.1								.8	4.0
NW	.8	.8		.2								1.9	5.1
NNW	1.1	.1	1.7	.5	.2							3.9	8.6

VARIABLE

CALM // 36.6 //

TOTALS 21.2 17.8 12.5 8.2 3.1 .6 100.0 4.3

TOTAL NUMBER OF OBSERVATIONS: 846

STATION NUMBER: 724835 STATION NAME: MATHEK AFB CA PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
N	1.3	1.7	1.9	1.8	.7	.2						7.6	9.3
NNE	.9	.2	.1	.1								1.4	3.7
NE	.1	.1										.2	4.5
ENE	.5	.2										.7	3.3
E	.5	.5	.2									1.2	4.5
ESE	1.4	.9	.5	.1								3.0	4.3
SE	2.5	4.1	1.7	1.5								9.8	6.1
SSE	1.9	2.8	3.8	4.5	2.2	1.3	.4					16.9	11.7
S	2.8	3.3	4.0	2.5	.4							13.0	7.2
SSW	1.4	2.0	1.4	.7	.2							5.8	6.5
SW	.8	1.4	.6	.2								3.1	5.4
WSW	.4	.8	.2	.2								1.7	5.8
W	1.3	.7	.2									2.2	3.5
WNW	1.7	.5										2.1	2.7
NW	1.9	1.5	.9	.1								4.5	4.7
NNW	1.2	.9	2.2	.9	.7							6.0	8.7

VARIABLE									
CALM	//////////////////// 20.8 100.0								
TOTALS	20.6	21.9	17.8	12.8	4.3	1.5	.4	100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 846

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56		
N	1.8	2.8	1.1	1.2	.1	.2	.1					7.3	7.2
NNE	.6	.2										.8	2.9
NE	.2		.1									.4	3.7
ENE	.4	.1										.5	3.0
E	.4	.6	.1									1.1	4.8
ESE	.9	.7	.4									2.0	3.7
SE	1.3	1.7	.2	1.3	.4	.2	.1					5.2	8.9
SSE	1.7	2.2	2.4	3.8	1.3	.9	.2	.1				12.6	11.4
S	3.1	5.9	2.2	2.8	.5	.2						14.8	7.6
SSW	3.5	3.8	1.7	1.9	.4							11.2	6.3
SW	2.7	2.5	1.2	.5	.2							7.1	5.4
WSW	1.8	.6	.9	.4								3.7	5.2
W	1.5	1.3	.5	.5								3.8	5.1
WNW	.9	1.8	.6	.1								3.4	5.0
NW	.9	1.8	2.2	.9	.2							6.1	7.6
NNW	1.2	2.5	3.9	2.2	.9							10.8	8.9

VARIABLE												9.2	////
CALM	////////////////////											100.0	6.8
TOTALS	22.9	28.5	17.5	15.6	4.0	1.7	.5	.1					

TOTAL NUMBER OF OBSERVATIONS: 846

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(1ST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	3.3	1.1	1.1	.8	.4							6.6	5.8
NNE	1.1	.2										1.3	2.3
NE	1.7	.6	.1									2.4	3.0
ENE	1.1	.2										1.3	2.7
E	3.2	.2	.1									3.5	2.7
ESE	4.3	2.8	.4									7.4	3.5
SE	3.7	4.0	.5	1.1	.1							9.3	5.0
SSE	2.2	2.8	1.9	2.6	1.3	.9	.4					12.2	10.6
S	3.0	2.5	2.5	1.4	.7	.2						10.3	7.5
SSW	1.5	1.7	.8	.5	.2							4.7	6.2
SW	1.4	.1	.7									2.2	4.2
WSW	.1			.1								.2	9.5
W	.6	.6	.2									1.4	4.2
WNW	.8	.4	.1	.1								1.4	4.2
NW	2.1	2.5	.5									5.1	4.2
NNW	1.9	2.1	1.5	.9								6.5	6.2

VARIABLE

CALM	////////////////////	24.0	////
TOTALS	31.9 21.9 10.4 7.6 2.7 1.2 .4	100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 846

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	1.1	1.7	.8	.1						5.6	6.9
NNE	1.3	.9	.2								2.5	3.5
NE	3.0	.5	.1								3.5	2.4
ENE	1.7	.5	.1								2.2	2.8
E	4.7	3.2	.1								8.0	3.0
ESE	4.4	5.9	.2	.2							10.8	3.9
SE	3.5	6.3	1.9	.2							11.9	4.8
SSE	1.7	1.8	2.4	2.2	1.4	1.7	.2				11.3	11.8
S	1.5	1.3	2.4	1.5	.5	.6					7.8	9.2
SSW	1.1	.7	.5	.2							2.5	5.1
SW	.7	.4	.1	.1							1.3	4.7
WSW	.4	.2		.1							.7	5.0
W	.2	.2	.2								.7	5.2
WNW	.1	.5									.6	4.2
NW	.6	.7	.1	.1							1.5	4.8
NNW	.6	1.2	.6	.1							2.5	5.5

VARIABLE												
CALM	////////////////////										26.5	////
TOTALS	27.3	25.3	10.6	5.8	2.0	2.2	.2				100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 846

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.5	1.3	1.0	.3	.1	.0				6.0	7.4
NNE	1.0	.6	.1	.0							1.7	3.4
NE	1.6	.2	.0								1.9	2.5
ENE	1.0	.3	.0								1.3	2.8
E	2.2	1.1	.1	.0							3.4	3.2
ESE	3.0	3.4	.4	.1							6.9	3.9
SE	2.7	4.4	1.3	.8	.1	.0	.0				9.5	5.7
SSE	1.6	2.2	2.7	3.2	1.5	1.1	.2	.0			12.4	11.4
S	1.9	2.7	2.8	2.2	.5	.3	.0				10.4	8.5
SSW	1.6	1.7	.9	.7	.2						5.1	6.2
SW	1.2	.9	.5	.3	.1						2.9	5.7
WSW	.5	.4	.2	.2	.0						1.3	5.5
W	.9	.7	.2	.1							1.8	4.2
WNW	.7	.6	.1	.0							1.5	4.0
NW	1.1	1.3	.8	.2	.0						3.4	5.6
NNW	1.1	1.3	1.6	1.2	.5	.0					5.9	8.4
VARIABLE												
CALM												24.4
TOTALS	23.9	23.2	13.5	10.0	3.3	1.5	.3	.0			100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 6768

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.9	1.2	1.2	.6							3.9	6.8
NNE	.8	.5									1.3	2.8
NE	.9	.1									1.0	2.4
ENE	1.5	.5									2.0	2.6
E	2.0	1.7	.1								3.9	3.5
ESE	5.2	10.5	.3								16.0	4.0
SE	5.1	10.5	1.4	.4							17.4	4.5
SSE	2.6	4.5	3.1	1.7	.2	1.1	.1				13.3	8.3
S	2.3	2.4	1.7	.9	.3	.1					7.6	6.8
SSW	.5	1.2	.8								2.5	5.4
SW		.8	.4	.1							1.3	7.1
WSW	.2	.4	.5								1.2	6.1
W	.5	.3	.3								1.2	4.5
WNW	.4	.2	.2								.9	3.9
NW	.6	.3	.1								1.1	3.8
NNW	.2	1.3	1.1	.3							2.9	6.9

VARIABLE	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	22.6	////
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	100.0	4.2
TOTALS	23.7	36.6	11.3	4.1	.5	1.2	.1					

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.4	1.6	1.4	.3	.2						4.9	6.2
NNE	.8										.8	1.7
NE	1.1	.1	.1								1.3	2.9
ENE	1.5	.3									1.8	2.4
E	1.9	1.6	.2								3.8	3.5
ESE	4.5	6.7	.3								11.5	3.7
SE	4.9	11.4	1.8	.3	.2						18.7	4.7
SSE	1.4	3.9	2.7	1.8	.8	.3	.1				11.0	8.5
S	1.4	2.3	2.9	1.5	.5	.2					8.8	8.3
SSW	1.1	.4	.4	.3							2.3	5.6
SW	.3	.5	.2								1.1	4.5
WSW			.1								.1	7.0
W	.2	.2									.4	4.0
WNW	.3	.2									.5	3.0
NW	.4	.6	.2	.2							1.5	5.9
NNW	.4	1.2	1.3	.6							3.5	7.6

VARIABLE

CALM	21.7	31.1	11.7	5.2	1.7	.5	.1				28.0	////
TOTALS	21.7	31.1	11.7	5.2	1.7	.5	.1				100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(1ST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.9	2.2	.6							6.6	6.1
NNE	.4	.4	.3								1.2	4.2
NE	1.8	.1									1.9	2.2
ENE	.8	.1	.1								1.0	2.7
E	2.3	.9									3.1	2.7
ESE	3.3	3.5	.5								7.4	3.9
SE	2.8	8.7	1.8	.6	.2	.2					14.4	5.6
SSE	2.3	4.1	4.1	2.0	.8	.3	.3				13.9	8.7
S	1.4	2.2	2.7	.9	.2	.1					7.4	7.4
SSW	.6	1.5	.5	.2							2.9	5.4
SW	.3	.2	.1	.2	.1						1.0	7.4
WSW	.2			.1							.3	5.7
W	.3	.1									.4	2.5
WNW	.5	.6									1.2	3.4
NW	.6	.6	.5								1.8	5.1
NNW	.5	1.0	1.5	1.5	.1						4.6	8.8

VARIABLE												
CALM	////////////////////										30.9	////
TOTALS	20.1	26.0	14.4	6.2	1.4	.6	.3				100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	.8	2.8	2.5	.6						8.0	9.4
NNE	1.0	.1	.3								1.4	3.2
NE	.3	.1									.4	2.5
ENE	.5	.1									.6	2.7
E	.9	.9									1.7	3.4
ESE	.9	.4	.1	.2							1.6	4.9
SE	1.3	1.6	1.1	.2	.4	.1					4.7	6.8
SSE	2.2	3.7	4.4	2.0	1.3	.2	.1	.1			14.0	8.8
S	3.2	7.4	6.8	2.8	.5			.1			20.9	7.2
SSW	2.0	2.7	1.9	.8							7.4	5.8
SW	1.9	1.8	1.2	1.1							6.0	6.0
WSW	1.2	1.1		.1							2.4	3.4
W	1.5	.5	.1								2.2	2.8
WNW	1.4	.2	.1								1.7	2.7
NW	.9	1.6	.8	.2	.3						3.8	6.8
NNW	1.0	1.6	2.3	1.4	.9	.1					7.2	9.2
VARIABLE												
CALM	////////////////////											16.0
TOTALS	21.4	24.6	21.8	11.3	4.1	.4	.1	.2			100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 930

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.8	2.0	1.8	1.5	.8							6.9	9.2
NNE	.4	.3	.2									1.0	4.3
NE	.3	.2	.1									.6	4.5
ENE	.4	.2										.6	3.0
E	.5	.2	.1									.9	3.4
ESE	.4	.4	.4									1.3	4.9
SE	1.0	.9	.9	.9	.1	.2						3.9	8.6
SSE	1.0	1.5	2.5	1.9	1.0	.6	.2					8.7	11.2
S	2.2	5.3	6.3	3.1	.8		.1					17.7	7.9
SSW	3.0	4.1	2.6	1.0	.3	.1						11.1	6.3
SW	1.7	4.4	2.9	1.2	.6							10.9	7.2
WSW	.8	1.2	.4	.3								2.7	5.6
W	1.0	2.0	1.0	.1								4.1	5.0
WNW	1.2	1.4	.9	.1	.1							3.7	5.3
NW	1.6	1.9	2.8	1.6	.2							8.2	7.6
NNW	.9	2.0	1.8	2.0	1.4	.3	.1					8.6	10.8
VARIABLE													
CALM												9.2	////
TOTALS	17.1	28.2	24.7	13.8	5.3	1.3	.4					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.5	2.5	1.8	.2	.1					7.2	8.6
NNE	.6	.5	.3								1.5	4.6
NE	.2	.1	.1	.1							.5	5.6
ENE	.4		.1								.5	3.2
E	.2	.4	.4								1.1	5.7
ESE	.5	.4	.4	.1							1.5	5.2
SE	.8	.9	1.2	.4							3.2	6.7
SSE	1.6	2.0	2.2	1.1	.8	.4					8.1	8.9
S	3.0	5.3	2.7	2.4	.2						13.6	6.6
SSW	2.4	5.7	4.2	1.6	.3	.1					14.3	6.9
SW	1.7	3.9	3.9	2.2	.5						12.2	7.8
WSW	1.1	1.6	1.0	.9	.1						4.6	7.0
W	.8	1.4	.8	.3							3.2	5.8
WNW	1.2	1.1	.8	.3							3.3	5.4
NW	1.1	2.3	2.4	1.3	.3	.1					7.4	7.8
NNW	.6	1.9	3.0	2.3	.8	.4	.1				9.2	10.2

VARIABLE								
CALM	////////////////////							8.4
TOTALS	17.3	29.1	25.9	14.8	3.2	1.2	.1	100.0
								6.9

TOTAL NUMBER OF OBSERVATIONS: 928

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA										PERIOD OF RECORD: 78-87			
										MONTH: MAR			
										HOURS(1ST): 1800-2000			
DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			
N	2.7	2.2	1.7	1.0							7.6	5.7	
NNE	.5	1.4	.1	.1							2.2	4.5	
NE	.5	.1									.6	2.2	
ENE	.2	.2	.1								.5	4.0	
E	.5	.5									1.1	3.4	
ESE	1.5	1.0	.3	.2							3.0	4.3	
SE	2.8	2.2	1.5	.4	.1						7.0	5.1	
SSE	1.7	3.2	1.3	1.0	1.0	.1					8.3	7.8	
S	4.0	5.2	1.6	.5	.1						11.4	4.9	
SSW	3.7	5.1	2.2	.8							11.7	5.1	
SW	1.3	3.2	2.9	1.1	.1						8.6	6.9	
WSW		.4	.9	.3							1.6	7.9	
W	.5	.5	.5	.1	.2						1.9	6.8	
WNW	.5	.8	.3	.2							1.8	5.6	
NW	1.0	1.4	.6	.1	.1						3.2	5.7	
NNW	1.3	2.6	1.6	.8	.2						6.5	6.5	
VARIABLE													
CALM											22.9	////	
TOTALS	22.9	30.0	15.7	6.6	1.8	.1					100.0	4.5	

TOTAL NUMBER OF OBSERVATIONS: 927

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2	1.4	1.0	1.7							5.3	7.6
NNE	.2	.3									.5	3.2
NE	1.4	.5									1.9	2.7
ENE	1.2	.1									1.3	2.3
E	2.5	1.4	.1								4.0	3.2
ESE	3.8	6.8	.3	.1							11.0	4.0
SE	3.9	5.8	1.6	.4	.1	.1					12.0	5.0
SSE	3.3	4.0	1.3	1.8	1.1	.1					11.7	7.2
S	2.8	5.3	2.2	.3	.4						11.0	5.8
SSW	3.0	2.4	1.8	.2							7.4	4.8
SW	.8	1.0	.4	.1							2.3	5.1
WSW	.5	.4	.4								1.4	4.6
W		.4	.3	.1							.9	7.3
WNW	.1	.3	.4								.9	6.1
NW	.2	.9	.2	.1							1.4	5.5
NNW	1.1	.9	.5	.2							2.7	5.2

VARIABLE	26.0	31.9	10.7	5.2	1.6	.2					24.4	////
CALM												
TOTALS											100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 927

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 79-87 ALL
 MONTH: MAR HOURS(UST):

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56		
N	1.4	1.6	1.8	1.3	.2	.0						6.3	7.6
NNE	.6	.5	.2	.0								1.2	3.7
NE	.8	.2	.0	.0								1.0	2.9
ENE	.8	.2	.0									1.1	2.7
E	1.4	1.0	.1									2.4	3.4
ESE	2.5	3.7	.3	.1								6.7	4.0
SE	2.8	5.2	1.4	.5	.1	.1						10.2	5.3
SSE	2.0	3.4	2.7	1.7	.8	.4	.1	.0				11.1	8.6
S	2.5	4.4	3.4	1.5	.4	.1	.0	.0				12.3	6.9
SSW	2.0	2.9	1.8	.6	.1	.0						7.4	5.8
SW	1.0	2.0	1.5	.7	.2							5.4	6.9
WSW	.5	.6	.4	.2	.0							1.8	5.9
W	.6	.7	.4	.1	.0							1.8	5.1
WNW	.7	.6	.3	.1	.0							1.7	4.8
NW	.8	1.2	1.0	.4	.1	.0						3.6	6.8
NNW	.8	1.6	1.6	1.1	.4	.1	.0					5.7	8.8
VARIABLE													
CALM	////////////////////												20.3
TOTALS	21.3	29.7	17.0	8.4	2.5	.7	.1	.0				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 7432

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.8	1.4	1.3	1.0	.1							5.3	6.9
NNE	.6	.4	.3	.1								1.4	5.0
NE	1.1	.2										1.3	2.4
ENE	1.0											1.0	2.1
E	1.7	1.3										3.0	3.2
ESE	7.2	8.1	.2									15.6	3.6
SE	6.0	18.3	1.1	.2								25.7	4.3
SSE	3.7	7.3	2.0	.6	.1							13.7	5.0
S	1.7	4.6	2.2	.3	.1	.1						9.2	5.9
SSW	.9	.2	.4	.2								1.8	5.1
SW	.1	.4	.1									.7	4.7
WSW			.1									.1	9.0
W													
WNW	.2											.2	2.5
NW	.3	.8	.9	.1								2.1	6.3
NNW	.2	.8	.4	.7	.1							2.2	8.4

VARIABLE

CALM	////////////////////	16.7	////
TOTALS	26.1 44.2 9.2 3.2 .4 .1	100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS													TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56				
N	1.8	2.4	2.1	1.4	.1								7.9	7.1	
NNE	1.1	.4		.2									1.8	4.4	
NE	.7	.1											.8	2.4	
ENE	1.0	.1											1.1	2.2	
E	1.7	.8											2.4	2.9	
ESE	6.4	6.9	.4										15.8	3.8	
SE	4.6	14.3	1.0	.3	.1								20.3	4.5	
SSE	2.7	6.8	1.8	.6	.2								12.0	5.4	
S	1.8	2.4	2.4	.1									6.8	5.7	
SSW	.4	.6	.7										1.7	5.1	
SW	.3	.1		.2		.1							.8	9.0	
WSW	.3	.1											.4	2.8	
W	.2	.1											.3	3.0	
WNW			.1										.1	7.0	
NW	.3	.2	.1										.7	4.0	
NNW	.2	.7	1.7	.8	.1								3.4	8.9	
VARIABLE															
CALM	////////////////////														
TOTALS	23.6	38.1	10.3	3.7	.6	.1	////////////////////					23.7	3.8		

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.3	1.8	2.8	1.8	.2	.1					8.0	8.0
NNE	.3	.4	.2	.1	.1						1.2	6.6
NE	.7	.2									.9	2.6
ENE	.6	.1									.7	2.7
E	1.7	.9									2.6	3.0
ESE	3.4	3.0	.3	.2							7.0	3.8
SE	3.9	7.2	1.2	.3							12.7	4.6
SSE	2.9	7.6	3.0	1.1	.2						14.8	6.0
S	1.7	4.7	4.9	.7							11.9	6.4
SSW	.6	1.9	1.7	.4	.1						4.7	6.9
SW	.7	.6	.7	.1							2.0	5.7
WSW	.3	.2	.1								.7	3.8
W	.6	.2									.8	2.9
WNW	.2	.1									.3	2.7
NW	.6	.8	.3								1.7	4.9
NNW	.7	1.4	2.0	1.7	.3						6.1	8.9

VARIABLE

CALM	20.0	31.1	17.2	6.4	1.0	.1					24.1	////
TOTALS											100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: APR HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2	1.4	1.3	2.4	.7	.4					7.6	10.1
NNE	.7	.3	.1	.2							1.3	4.8
NE	.3	.1		.1							.6	4.2
ENE	.2	.1	.1								.4	4.3
E		.2									.2	4.5
ESE	.3	.7	.1								1.1	4.3
SE	1.1	1.9	.2	.8							4.0	5.9
SSE	1.8	2.8	2.3	1.3	.4	.1					8.8	7.5
S	4.4	7.1	5.7	1.6							18.8	6.0
SSW	3.8	5.3	3.7	1.3							14.1	5.9
SW	2.3	3.8	2.3	.8							9.2	5.8
WSW	.4	1.0	.4	.3							2.2	6.1
W	2.1	1.0	.2								3.3	3.3
WNW	.8	.7	.1								1.6	3.9
NW	1.0	1.1	1.1	.6	.1						3.9	6.8
NNW	1.3	2.1	2.4	3.6	.6						10.0	9.4
VARIABLE												
CALM												12.9
TOTALS	21.9	29.7	20.2	13.0	1.8	.6					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	2.3	1.7	1.2	1.0						8.3	7.9
NNE	.2	.3	.1	.3							1.0	7.7
NE	.2	.1			.1						.4	6.3
ENE	.1										.1	2.0
E	.1		.1								.2	5.0
ESE	.6	.4	.3								1.3	4.3
SE	.6	1.2	.6	.1							2.4	5.4
SSE	1.0	2.7	.9	1.2	.2	.1					6.1	7.5
S	2.4	5.6	3.9	1.3	.2						13.4	6.6
SSW	2.8	6.8	4.8	2.3	.2						16.9	6.8
SW	2.8	5.2	3.3	1.6	.4						13.3	6.6
WSW	1.8	1.8	1.1	.8	.2						5.7	6.3
W	2.0	1.9	.3								4.2	4.0
WNW	1.0	1.1	1.2	.3							3.7	6.1
NW	1.0	2.2	2.9	1.4	.7	.2					8.4	8.7
NNW	.6	2.0	2.2	3.7	1.2						9.7	10.4

VARIABLE

CALM	19.2	33.7	23.4	14.3	4.3	.3					4.7	////
TOTALS											100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.4	2.0	2.0	1.3	.8	.1						6.7	9.3
NNE	.6	.4	.6									1.6	5.0
NE		.2	.1									.3	6.7
ENE	.1	.1										.2	3.0
E	.4	.3	.1									.9	4.3
ESE	.6	.1	.2									.9	3.8
SE	.8	2.2	.0	.2								4.1	5.8
SSE	1.2	.9	.9	.7	.2							3.9	7.1
S	2.3	4.3	3.1	.8	.1							10.7	6.0
SSW	1.9	7.1	5.6	2.8	.1							17.7	6.9
SW	1.7	3.4	6.0	4.4	.8							16.3	9.0
WSW	.8	1.1	2.1	1.0								5.0	7.7
W	.9	.8	1.2	.1								3.0	6.0
WNW	1.1	2.0	1.2	.1								4.4	5.5
NW	1.3	2.4	3.7	1.4	.3							9.2	7.9
NNW	.7	1.8	3.9	2.3	1.1	.2						10.0	10.1

VARIABLE												.1	9.0
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.0	////
TOTALS	14.8	29.3	31.0	15.2	3.4	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.4	1.7	.4	.2						6.1	6.3
NNE	.4	.9	.1	.2							1.7	5.5
NE	.1	.2	.2								.6	5.8
ENE		.4									.4	5.0
E	.4	1.0									1.4	4.2
ESE	1.4	.8									2.2	3.2
SE	2.4	2.6	.8	.2							6.0	4.2
SSE	2.3	1.4	.8	.7	.1	.1					5.4	6.0
S	3.9	5.3	2.1								11.3	4.5
SSW	5.0	10.4	5.2	1.3							22.0	5.4
SW	1.4	5.0	6.0	1.2							13.7	7.0
WSW	.4	1.1	1.8	.6							3.9	7.5
W	.7	1.2	.4	.1							2.4	5.0
WNW	.2	.6	.2	.3							1.3	6.8
NW	1.1	2.7	.6	.2							4.6	5.2
NNW	.6	2.2	2.1	1.1	.1						6.1	7.7

VARIABLE												
CALM	////////////////////										10.8	////
TOTALS	21.9	38.3	22.0	6.4	.4	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.1	1.8	.7	.3	.1							4.0	5.9
NNE	.8	.7	.3									1.8	4.3
NE	.2	.3										.6	3.2
ENE	.6	.4										1.0	3.6
E	1.7	1.3										3.0	3.1
ESE	4.4	6.3										10.8	3.7
SE	3.8	13.7	1.1									18.6	4.4
SSE	2.4	5.8	1.3	.2	.2	.1						10.1	5.3
S	4.4	6.1	2.0	.3								12.9	4.8
SSW	5.2	3.1	1.8	.2								10.3	4.2
SW	1.1	2.0	1.6	.2								4.9	5.6
WSW	.2	.2										.4	3.5
W	.1	.6	.1									.8	4.6
WNW	.3	.2	.1	.1								.8	4.9
NW	.3	1.0	.7	.1	.1							2.2	6.6
NNW	.2	1.2	.8	.6								2.8	6.8

VARIABLE

CALM	////////////////////	15.1	////
TOTALS	27.0 44.8 10.4 2.1 .4 .1	100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.0	1.7	1.2	.4	.1					6.7	7.8
NNE	.6	.5	.2	.2	.0						1.5	5.3
NE	.4	.2	.0	.0	.0						.7	3.6
ENE	.4	.2	.0	.0							.6	3.0
E	1.0	.7	.0								1.7	3.3
ESE	3.1	3.5	.2	.0							6.8	3.7
SE	2.9	7.7	.9	.3	.0						11.7	4.6
SSE	2.2	4.4	1.6	.8	.2	.1					9.3	6.0
S	2.8	5.0	3.3	.6	.1	.0					11.9	5.7
SSW	2.6	4.4	3.0	1.1	.1						11.1	6.0
SW	1.3	2.6	2.5	1.1	.2	.0					7.6	7.1
WSW	.5	.7	.7	.3	.0						2.3	6.7
W	.8	.7	.3	.0							1.9	4.3
WNW	.5	.6	.4	.1							1.6	5.5
NW	.7	1.4	1.3	.5	.2	.0					4.1	7.2
NNW	.6	1.5	1.9	1.8	.4	.0					6.3	9.2
VARIABLE			.0								.0	9.0
CALM	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	14.1	////
TOTALS	21.8	36.2	18.1	8.1	1.6	.2					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.1	1.4	.8	.3								3.5	5.5
NNE	.6	.1										.8	2.1
NE	1.1	.2										1.3	2.3
ENE	.4											.4	2.5
E	1.0	.8										1.7	3.2
ESE	4.5	6.1										10.6	3.5
SE	9.1	15.5	1.3									25.9	4.0
SSE	6.1	10.0	1.7									17.8	4.2
S	3.8	8.0	2.7									14.4	4.7
SSW	.5	2.0	1.5									4.1	6.0
SW	.1	.1	.4									.6	6.0
WSW	.1											.1	3.0
W	.1											.1	1.0
WNW	.1	.2										.3	3.7
NW	.5	.6		.2								1.4	5.2
NNW	.2	.5	.8	.3								1.8	7.6

VARIABLE

CALM	////////////////////	14.9	////
TOTALS	29.5 45.6 9.1 .9	100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 93C

GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	1.6	2.0	.5								5.6	6.1
NNE	.1											.1	2.0
NE	.1	.2										.3	3.3
ENE	.4	.2										.6	3.0
E	1.3	.3										1.6	2.5
ESE	8.3	6.5										14.7	3.2
SE	6.8	17.1	.9									24.7	4.0
SSE	4.7	8.2	1.3									14.2	4.2
S	3.0	4.7	3.0	.1								10.9	5.1
SSW	.3	1.1	.8	.2								2.4	6.5
SW	.4	.3	.2	.2								1.2	5.7
WSW													
W													
WNW		.2	.1									.3	6.0
NW	.1	1.1	.3	.3								1.8	6.6
NNW	.8	1.1	1.2	.4								3.4	6.6

VARIABLE

CALM	18.1	////
TOTALS	27.7	42.6 9.8 1.8

100.0 3.6

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.7	2.2	1.5							5.8	8.5
NNE	.3	.1	.2								.6	4.3
NE	.4		.1								.5	3.2
ENE	.3	.2									.5	3.0
E	.9	.2									1.1	2.3
ESE	3.0	1.6	.1								4.7	3.0
SE	3.4	6.0	1.2								10.6	4.3
SSE	3.9	5.7	2.7								12.3	4.8
S	6.0	8.9	5.8	.2							21.0	5.1
SSW	2.4	4.5	4.1	.6							11.6	5.9
SW	.6	.9	1.0	.6							3.1	7.1
WSW	.1	.1		.1							.3	6.0
W	.3	.2	.1								.6	3.5
WNW	.5	.2									.8	2.4
NW	.9	.5	.5	.1	.2	.1					2.4	7.2
NNW	.8	1.8	3.1	1.4							7.1	7.6

VARIABLE

CALM

TOTALS

16.9 100.0 4.5

TOTAL NUMBER OF OBSERVATIONS: 930

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-5	6-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.4	1.9	2.8	2.2								8.3	7.9
NNE	.2	.4										.6	3.8
NE													
ENE													
E	.1											.1	1.0
ESE	.4	.1										.8	4.1
SE	.9	.1										1.3	3.2
SSE	1.0	1.4										4.2	5.7
S	3.8	5.4	4.7	.9								14.7	5.9
SSW	3.1	7.0	7.1	1.1								18.2	6.2
SW	3.7	4.5	4.1	.9								11.5	5.4
WSW	1.4	1.5	.4									4.0	4.4
W	2.5	3.2	.7									6.0	3.8
WNW	2.0	1.9	1.1									5.1	4.3
NW	2.0	3.0	1.1	.1		.1						7.0	5.3
NNW	1.3	2.7	4.4	3.1	.3	.2						12.0	8.9
VARIABLE													
CALM												6.2	////
TOTALS	23.8	34.4	26.2	8.7	.3	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(UT): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.8	2.5	1.5	.1		.1				6.5	8.9
NNE	.3	.5									.9	3.4
NE	.2	.1									.3	3.0
NNE	.1										.1	2.0
E												
ESE				.1							.1	12.0
SE	.2	.3	.7	.5							1.4	8.5
SSE	.4	.5	.1	.2							1.3	5.7
S	1.7	3.2	1.7	.2							6.9	5.4
SSW	1.4	6.2	5.1	1.9	.1						14.7	7.1
SW	1.4	5.9	5.5	1.9	.2						14.9	7.3
WSW	1.3	2.7	1.2	.4	.2						5.8	5.9
W	3.0	5.1	2.2	.3							10.5	5.2
WNW	2.2	4.9	3.1	.5							10.8	5.7
NW	2.6	4.1	2.4	1.9							11.0	6.5
NNW	1.7	3.1	3.9	3.0	.3	.2					12.3	8.8

VARIABLE												
CALM	////////////////////										2.6	////
TOTALS	17.0	36.6	27.6	12.7	1.0	.2	.1				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHEW AFB GA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	1.9	2.3	1.6							7.0	7.6
NNE	.3	.4									.8	3.6
NE	.1	.1									.2	3.5
NNE				.1							.1	13.0
E		.2									.2	5.0
ESE		.1									.1	6.0
SE	.1	.3		.1							.5	5.6
SSE	.5	.2	.4	.1							1.3	5.8
S	.5	.2	1.9	.6							5.2	6.7
SSW	.9	4.3	6.3	4.1		.1					15.7	8.5
SW	.6	5.8	8.7	6.3	.4						21.9	8.8
WSW	.9	2.4	3.5	1.4	.2						8.4	7.8
W	1.6	3.9	2.5	.2							8.2	5.5
WNW	1.8	4.2	1.2	.3							7.5	5.3
NW	1.2	3.3	5.2	1.8	.1	.1					11.7	7.9
NNW	.9	1.6	2.7	3.4	.3						8.9	9.3
VARIABLE												
CALM	////////////////////											2.3
TOTALS	10.6	31.0	34.6	20.2	1.1	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: MAY HOURS(1ST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	2.4	1.5	1.8	.3	.2							6.2	5.8
NNE	.1	.1	.1									.3	4.7
NE	.3	.3										.6	2.8
ENE		.2										.2	5.0
E	.5	.1										.6	2.5
ESE	.4	.6										1.1	3.8
SE	.2	.5										.8	3.9
SSE	.4	1.0	.3									1.7	4.8
S	.9	4.6	2.5	.5								8.5	6.0
SSW	2.8	12.9	9.1	3.1								28.0	6.6
SW	2.4	6.6	12.8	4.4	.2							26.3	7.9
WSW	.2	1.3	2.7	1.0								5.2	8.4
W	1.0	.6	.6									2.3	4.7
WNW	1.1	1.2	.3	.1								2.7	4.5
NW	1.6	1.5	1.3	.2								4.6	5.0
NNW	.1	2.8	2.0	1.2	.1							6.2	7.8

VARIABLE

CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.6	////////
TOTALS	14.4	35.9	33.7	10.9	.5							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.8	1.0	.5	.3								2.6	5.3
NNE	.9	.6										1.5	3.1
NE	.2	.1										.3	3.3
ENE	.2	.1										.3	3.3
E	.6	1.0										1.6	3.5
ESE	2.4	5.2										7.5	3.8
SE	3.1	12.7	.6									16.5	4.2
SSE	4.5	8.8	1.1									14.4	4.2
S	4.9	11.3	2.4	.3								18.9	4.8
SSW	6.7	7.2	2.3	.3								16.5	4.3
SW	2.5	1.4	1.0	.1								4.9	4.2
WSW	.3	.1										.4	3.0
W	.1	.2										.3	3.3
WNW	.3	.2										.5	3.4
NW	.2	.6	.4	.1								1.4	6.2
NNW	.1	.9	.5									1.5	6.5

VARIABLE

CALM

TOTALS

10.8
100.0

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.1	1.6	1.9	1.0	.0	.0	.0	.0			5.7	7.2
NNE	.4	.3	.0								.7	3.4
NE	.3	.1	.0								.5	2.9
ENE	.2	.1		.0							.3	3.5
E	.6	.3									.9	2.9
ESE	2.4	2.5	.0	.0							5.0	3.4
SE	3.0	6.6	.6	.1							10.2	4.2
SSE	2.7	4.5	1.1	.1							8.4	4.5
S	3.1	6.0	3.1	.4							12.6	5.3
SSW	2.3	5.7	4.5	1.4	.0	.0					13.9	6.4
SW	1.5	3.2	4.0	1.8	.1						10.6	7.4
WSW	.5	1.1	1.0	.4	.1						3.0	6.8
W	1.1	1.7	.7	.1							3.5	4.9
WNW	1.0	1.6	.7	.1							3.5	5.1
NW	1.1	1.9	1.5	.6	.0	.0					5.2	6.5
NNW	.7	1.8	2.3	1.6	.1	.1					6.7	8.3
VARIABLE												
CALM												9.5
TOTALS	21.9	39.0	21.4	7.6	.4	.1	.0				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 7440

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

NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: JUN HOURS(LST): 0000-0200

WIND SPEED IN KNOTS

7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
.7	.4	.4	.4	.4					1.8	7.4
.1	.1								.6	4.4
									.2	2.5
									.3	2.3
.4	.2								1.3	3.2
3.9	4.2								8.1	3.4
9.7	13.9	.8							23.3	3.8
5.8	13.9	3.0							22.7	4.6
7.3	11.9	3.2	.1						22.6	4.5
1.9	1.9	.4	.1						4.3	4.2
.4	.1	.4							1.0	5.3
									.1	6.0
									.1	4.0
.2	.2	.1							.6	4.8
.4	.4	.3							1.2	8.3

VARIABLE

CALM

TOTALS

30.0 48.0 9.2 1.0

11.8

100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	.7	.9	.3								3.2	5.4
NNE	.3											.3	1.7
NE	.6											.6	1.6
ENE	.9											.9	2.0
E	1.1											1.1	2.2
ESE	4.9	4.7										9.6	3.3
SE	8.3	14.3	.6									23.2	3.8
SSE	6.6	12.3	2.7									21.6	4.5
S	5.3	9.3	3.4	.3								18.4	4.7
SSW	2.2	1.6	.8									4.6	4.2
SW	.4	.2	.2									.9	4.3
WSW	.2											.2	2.5
W	.1											.1	2.0
WNW	.2											.2	4.5
NW	.3	.1		.1								.6	4.8
NNW	.1	.7	.7	.4								1.9	8.1

VARIABLE

CALM	12.7	100.0	3.7
TOTALS	32.8	44.1	9.2
TOTALS	1.2	1.2	1.2

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.0	1.1	1.3	.4	.1						4.0	6.7
NNE	.2	.1									.3	2.7
NE	.4	.1									.6	2.0
ENE	.4										.4	1.5
E	.9	.3									1.2	2.6
ESE	2.6	.9	.1								3.6	3.2
SE	2.9	3.7	1.1								7.7	4.2
SSE	2.8	6.4	2.9								12.1	5.1
S	6.1	11.0	10.3	.3							27.8	5.6
SSW	3.4	5.3	5.7	.9							15.3	6.0
SW	1.4	1.0	2.0	.3							4.8	5.9
WSW	1.0	.1	.1								1.2	2.7
W	.7										.7	1.8
WNW	.9										.9	1.6
NW	.9	.6									1.4	3.0
NNW	.6	1.0	1.3	1.2							4.1	8.2
VARIABLE												
CALM	////////////////////											13.9
TOTALS	26.2	31.7	24.9	3.2	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(1ST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N	1.2	1.8	1.2	.7							4.9	6.0
NNE	.6	.3	.1								1.0	3.7
NE	.2										.2	1.5
ENE		.1									.1	4.0
E	.3										.3	2.3
ESE	.7	.2									.9	2.8
SE	.4	.3									.8	3.0
SSE	.9	1.2	.7	.2							3.0	5.1
S	2.3	5.8	5.6	.6							14.2	6.0
SSW	2.9	6.9	9.4	1.0							20.2	6.6
SW	4.4	6.4	4.6	.3							15.8	5.3
WSW	2.2	1.8	1.4	.1							5.6	4.8
W	3.6	2.9	.6								7.0	3.5
WNW	2.3	3.3	.2								5.9	3.8
NW	3.4	2.7	1.4	.6	.1						8.2	5.0
NNW	1.1	1.8	2.8	1.8	.1	.2					7.8	8.5

VARIABLE

CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.1	//////
TOTALS	26.7	35.6	28.0	5.2	.2	.2					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.7	2.4	1.7	.9	.1							5.8	7.2
NNE	.2	.2										.4	3.5
NE	.1	.1										.2	3.0
ENE													
E													
ESE	.1		.1									.2	5.0
SE	.1		.1									.2	4.0
SSE	.2	.7	.1	.1								1.1	5.3
S	1.2	2.2	2.4	.1								6.0	5.8
SSW	2.1	5.7	6.1	2.0								15.9	7.1
SW	2.7	5.3	8.0	2.9	.2							19.1	7.4
WSW	1.9	3.6	3.3	1.0								9.8	6.6
W	3.4	4.8	2.7	.2								11.1	5.0
WNW	2.0	4.4	3.2	.2								9.9	5.5
NW	1.2	3.9	4.2	.4								9.8	6.4
NNW	.9	2.7	3.8	1.1	.1	.2	.1					8.9	8.0

VARIABLE

CALM	1.6	////	1.6	////					
TOTALS	16.9	36.0	35.8	9.0	.4	.2	.1	100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.6	1.9	1.6	.7								4.7	7.1
NNE		.1										.1	4.0
NE													
ENE													
E													
ESE	.1	.1	.1									.3	5.0
SE	.1	.1	.2									.4	6.3
SSE		.1	.3									.4	6.8
S	1.0	1.7	1.7									4.3	5.8
SSW	1.0	3.1	7.6	4.1								15.8	8.7
SW	1.2	5.4	10.6	9.0	.7							26.9	9.2
WSW	1.3	3.0	3.4	2.2	.3							10.3	7.9
W	1.9	5.7	2.7	.2								10.4	5.5
WNW	1.1	4.7	3.0	.6								9.3	6.3
NW	.8	3.8	3.9	.9								9.3	6.9
NNW	.7	2.2	1.9	1.0	.2							6.0	8.0

VARIABLE

CALM

TOTALS

1.6
 100.0
 7.6

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	1.2	1.0	.2							4.1	5.3
NNE	.3										.3	2.0
NE	.1										.1	2.0
ENE												
E												
ESE	.1										.1	3.0
SE	.1	.1									.2	3.5
SSE	.3	.6	.3								1.2	4.9
S	.9	3.6	3.0	.3							7.8	6.3
SSW	2.0	7.1	14.2	3.7	.2						27.2	7.8
SW	1.3	8.4	17.2	6.4	.3						33.8	8.4
WSW	.4	1.7	4.0	1.6							7.7	8.2
W	1.1	1.7	.4								3.2	4.3
WNW	.9	1.4	.6								2.9	4.8
NW	.7	1.4	.7								2.8	5.3
NNW	.4	2.9	1.8	.3	.1						5.6	6.5
VARIABLE												
CALM	////////////////////											3.0 //
TOTALS	10.4	30.1	43.2	12.6	.7						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	.3	.8								1.7	5.8
NNE	.2	.1									.3	3.3
NE	.1	.1									.2	3.5
ENE												
E	.1	.1									.2	3.5
ESE	1.8	3.8									5.6	3.8
SE	3.9	10.6	.4								14.9	4.0
SSE	4.7	10.1	1.1								15.9	4.4
S	7.7	15.9	4.6	.1							28.4	4.7
SSW	6.1	5.3	2.8	.2							14.4	4.7
SW	2.8	2.8	1.6	.4							7.6	4.9
WSW	.3	.4	.3								1.1	5.6
W	.3	.3									.7	3.3
WNW		.1									.1	5.0
NW	.3	.2	.2	.2							1.0	7.1
NNW	.1	.3	.4	.2							1.1	7.0

VARIABLE

CALM	////////////////////	6.8	/////
TOTALS	29.0 50.6 12.4 1.2	100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(1ST): ALL

DIRECTION (DEGR=ES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.3	1.1	.5	.0						3.8	6.4
NNE	.3	.1	.0								.4	3.3
NE	.2	.0									.3	2.2
ENE	.2	.0									.2	2.1
E	.4	.1	.0								.5	2.7
ESE	1.8	1.7	.0								3.5	3.4
SE	3.1	5.4	.4								8.8	3.9
SSE	2.7	5.7	1.4	.0							9.7	4.7
S	4.0	7.7	4.3	.2							16.2	5.2
SSW	2.7	4.6	5.9	1.5	.0						14.7	6.7
SW	1.8	3.7	5.6	2.4	.2						13.7	7.6
WSW	.9	1.3	1.6	.6	.0						4.5	6.9
W	1.4	1.9	.8	.1							4.2	4.7
WNW	.9	1.8	.9	.1							3.7	5.2
NW	1.0	1.6	1.3	.3	.0						4.2	5.9
NNW	.5	1.5	1.6	.8	.0	.1	.0				4.6	7.9
VARIABLE												
CALM											6.9	////
TOTALS	22.7	38.5	25.0	6.5	.3	.1	.0				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 7200

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 0000-0200

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.1		.1	.3								.5	9.4
NNE	.1											.1	2.0
NE	.2											.2	1.0
ENE													
E	.1											.1	2.0
ESE	5.4	4.4										9.8	3.2
SE	11.5	13.7	.3									25.5	3.5
SSE	10.4	10.5	1.7									22.7	3.8
S	7.4	12.7	2.7									22.8	4.4
SSW	2.3	3.2	1.8	.1								7.4	4.9
SW	.3	.5	.3	.1								1.3	5.5
WSW	.1											.1	3.0
W													
WNW													
NW	.1	.1										.2	4.0
NNW	.1											.1	3.0

VARIABLE

CALM	9.1	////				
TOTALS	38.2	45.2	7.0	.5	100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		.5	.5								1.1	6.7
NNE	.3	.2									.5	2.8
NE	.2										.2	2.0
ENE												
E	.5	.1									.6	2.7
ESE	5.2	4.3									9.5	3.2
SE	10.9	14.3	.2								25.4	3.6
SSE	9.7	8.2	1.4								19.2	3.7
S	11.0	9.1	2.5								22.6	3.9
SSW	2.5	3.0	.6	.1							6.2	4.6
SW	.2	.4	.3	.2							1.2	6.8
WSW	.3	.1									.4	2.5
W												
WNW												
NW												
NNW			.1								.1	7.0
VARIABLE												
CALM	////////////////////										12.9	////
TOTALS	40.8	40.3	5.7	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.6	.6	.8	.3								2.4	6.4
NNE	.1		.1									.2	5.5
NE	.4											.4	1.8
ENE	.2											.2	1.5
E	.5	.4										1.0	3.2
ESE	2.7	.6	.1									3.4	2.6
SE	3.4	3.1	.2									6.8	3.3
SSE	6.6	7.2	1.2									14.9	4.0
S	9.2	13.5	5.9	.2								28.9	4.7
SSW	3.9	7.7	5.3	.3								17.2	5.6
SW	2.0	2.5	3.0	.2								7.7	5.8
WSW	.1	.4	.2									.8	5.0
W	.2	.1										.3	2.7
WNW	.1											.1	1.0
NW	.5	.2										.8	3.0
NNW	.3	.2	.2									.8	5.0

VARIABLE				
CALM	//////////////////// 14.1			
TOTALS	31.1	36.8	17.0	1.1
	100.0 4.0			

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724935 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND %
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.9	1.2	.8	.4							3.2	6.1
NNE	.1	.1	.1								.3	5.0
NE												
ENE												
E	.2										.2	2.0
ESE												
SE	.2	.5									.8	3.9
SSE	1.0	1.5	.6								3.1	4.6
S	4.4	6.7	3.2	.1							14.4	4.9
SSW	5.6	10.1	8.4	1.4							25.5	5.9
SW	4.7	8.7	5.1	.5							19.0	5.4
WSW	3.3	3.4	1.8								8.6	4.5
W	4.2	3.0	.3	.1							7.6	3.8
WNW	2.4	1.9	.1								4.4	3.2
NW	2.6	1.2	.9								4.6	3.9
NNW	.9	1.7	.5	.1							3.2	5.2

VARIABLE												
CALM											4.9	
TOTALS	30.4	40.1	21.6	2.7							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: JUL HOURS(LST): 1200-1400

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.5	1.7	.9	.3								3.4	6.3
NNE	.1											.1	2.0
NE	.1	.1										.2	4.0
ENE													
E													
ESE	.1											.1	2.0
SE		.1	.1									.2	5.5
SSE	.6	.3										1.0	3.2
S	.8	1.7	2.0	.1								4.6	5.9
SSW	1.2	5.7	5.3	.8								12.9	6.6
SW	1.7	8.0	7.5	1.3								18.5	6.7
WSW	1.9	6.1	4.8	.4								13.3	6.1
W	4.3	9.9	3.9	.5								18.6	5.2
WNW	2.5	6.0	1.6	.1								10.2	4.8
W	1.7	5.5	2.2									9.4	5.3
WNW	1.4	1.6	1.9	.2								5.2	5.8

2.3

100.0

AD-A198 513

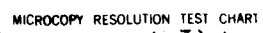
MATHER AFB CALIFORNIA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL 15 JUN 37
USAFETAC DO-37 Q42

2/4

UNCLASSIFIED

FIG 4/2

NL



MICROCOPY RESOLUTION TEST CHART

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: JUL HOURS(1ST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.5	.9	.8	.2								2.4	6.3
NNE			.1									.1	9.0
NE													
ENE													
E													
ESE													
SE	.1	.2										.3	3.7
SSE													
S	.3	1.0	.8	.3								2.4	6.7
SSW	1.0	4.6	7.2	2.3								15.1	7.7
SW	1.5	7.0	11.5	5.9	.1							26.0	8.1
WSW	1.7	6.5	6.2	1.8								16.2	6.8
W	2.9	6.5	4.2	.4								14.0	5.6
WNW	1.5	5.2	1.9	.3								8.9	5.7
NW	1.9	4.4	2.4	.2								8.9	5.5
NNW	.8	1.5	1.3	.2								3.8	6.1

VARIABLE

CALM

TOTALS

1.9

100.0

.1

11.7

36.3

37.6

12.3

1.9

6.7

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	.5	.5	.5	.2						1.6	6.6
NNE		.2									.2	4.0
NE		.1									.1	4.0
ENE	.1										.1	3.0
E	.1										.1	1.0
ESE		.1									.1	4.0
SE	.1	.2									.3	3.7
SSE	.6	.5									1.2	3.6
S	1.7	5.9	2.4	.2							10.2	5.2
SSW	3.0	11.3	11.3	1.7							27.3	6.5
SW	1.7	10.6	19.7	4.8							36.9	7.8
WSW	.9	2.4	4.8	1.2							9.2	7.6
W	1.0	1.5	.2								3.2	4.5
WNW	.8	1.5	.5								2.8	4.8
NW	.4	1.2	.2								1.8	4.5
NNW	.5	.8	.6								1.9	5.1

VARIABLE

CALM

TOTALS

11.3 36.9 40.9 0.2 2.8 100.0 6.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72035 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N													
NNE													
NE													
ENE													
E		.2										.4	3.5
ESE												5.4	3.5
SE												17.6	3.8
SSE												19.0	4.0
S												27.8	4.6
SSW												18.2	4.2
SW												5.3	4.2
WSW												.2	9.5
W												.2	3.5
WNW												.1	3.0
NW												.3	4.7
NNW												.4	4.8

WIND SPEED IN KNOTS

.3

.2

VARIABLE

CALM

TOTALS

4.4

100.0

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.4	.7	.5	.2							1.9	6.4
NNE	.1	.1	.0								.2	4.1
NE	.1	.0									.1	2.3
ENE	.0										.0	2.0
E	.2	.1									.3	2.9
ESE	1.9	1.6	.0								3.5	3.2
SE	4.0	5.5	.1								9.6	3.6
SSE	4.7	4.7	.6								10.1	3.9
S	5.3	8.3	2.9	.1							16.7	4.6
SSW	3.4	6.8	5.2	.9							16.2	5.9
SW	1.8	5.0	6.0	1.6	.0						14.5	7.0
WSW	1.0	2.4	2.2	.4							6.1	6.3
W	1.6	2.6	1.1	.1							5.5	5.0
WNW	.9	1.8	.5	.1							3.3	4.8
NW	.9	1.6	.7	.0							3.3	5.0
NNW	.5	.8	.6	.1							1.9	5.6

VARIABLE											6.6	////
CALM											100.0	4.8
TOTALS	26.9	42.1	20.9	3.6	.0							

TOTAL NUMBER OF OBSERVATIONS: 7440

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

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.1	.1									.2	4.0
NNE		.1									.1	1.0
NE												
ENE												
E	.2	.2									.4	3.8
ESE	4.3	5.4									9.7	3.4
SE	11.9	17.5	.5								30.0	3.7
SSE	9.1	12.6	2.4								24.1	4.1
S	6.1	13.4	3.4	.1							23.1	4.7
SSW	1.1	1.9	.6	.1							3.8	4.8
SW	.1	.3									.4	3.8
WSW	.1										.1	2.0
W												
WNW	.1										.1	2.0
NW	.2		.2								.4	5.8
NNW	.1	.1	.1								.3	4.7
VARIABLE												
CALM											7.2	////
TOTALS	33.7	51.6	7.3	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.2	.5										.8	4.0
NNE	.2											.2	2.5
NE	.1											.1	3.0
ENE													
E	.8	.3										1.1	2.6
ESE	6.1	5.1										11.2	3.2
SE	13.5	16.6	.4									30.5	3.6
SSE	9.7	10.3	1.0									21.0	3.7
S	6.3	9.5	2.6	.1								18.5	4.4
SSW	1.3	2.2	1.2	.1								4.7	5.1
SW	.5	.4										1.0	3.2
WSW	.1											.1	2.0
W	.1											.1	2.0
WNW													
NW			.1									.1	6.0
NNW			.2									.2	7.5

VARIABLE

CALM	10.4	////
TOTALS	39.0	44.8 5.5 .2

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(IST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.2	.2										.4	2.8
NNE	.1											.1	1.0
NE	.1											.1	3.0
ENE													
E	.3	.4										.8	3.4
ESE	2.8	1.1										3.9	2.9
SE	7.5	5.2	.4									13.1	3.3
SSE	7.0	8.6	1.0									16.6	3.9
S	8.0	14.7	6.5	.3								29.5	5.0
SSW	2.2	6.7	4.9	1.0								14.7	6.2
SW	1.3	1.8	1.5	.1								4.7	5.5
WSW	.8	.2										1.0	2.3
W	.3											.3	1.7
WNW	.1											.1	1.0
NW	.3	.1										.4	2.8
NNW	.1	.5	.3	.1								1.1	6.7

VARIABLE				
CALM	13.2			
TOTALS	31.1	39.6	14.6	1.5
	100.0			4.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 720035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(IST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL Σ	MEAN WIND
N	.8	.4	.1	.1	.1							1.4	4.1
NNE	.1											.1	2.0
NE	.1											.1	1.0
ENE	.1											.1	3.0
E	.2	.1										.3	2.3
ESE	.1											.1	3.0
SE	1.0	.3	.1									1.4	2.9
SSE	1.2	2.0	.3									3.5	4.0
S	4.6	8.4	4.5	.3								17.8	5.1
SSW	5.3	11.3	8.1	1.0								25.6	5.9
SW	3.8	8.1	5.7	.8								18.3	5.8
WSW	2.2	2.0	1.0	.1								5.3	4.4
W	4.1	3.1	.2									7.4	3.4
WNW	2.2	1.4	.1	.1								3.8	3.5
NW	2.5	1.6	.4	.4								4.9	4.5
NNW	1.1	1.2	.4	.3								3.0	5.4

VARIABLE

CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.8	//////
TOTALS	29.1	40.0	21.0	3.1							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	.9	.3								2.3	4.0
NNE	.1		.1								.2	6.0
NE			.1								.1	8.0
ENE		.1									.1	4.0
E												
ESE		.1									.1	4.0
SE	.2	.3									.5	3.4
SSE	.3	.3	.1								.8	4.7
S	1.0	2.0	2.2	.1							5.3	5.8
SSW	1.7	5.8	7.8	1.7							17.1	7.1
SW	1.9	7.2	8.4	.9							18.4	6.7
WSW	2.3	5.8	4.3	.2	.1						12.7	5.8
W	3.5	11.5	3.8								18.8	5.0
WNW	2.2	6.7	1.2								10.0	4.7
NW	3.3	4.1	1.4	.3	.1						9.2	4.9
NNW	.8	1.3	.8	.4							3.2	6.2
VARIABLE												
CALM	////////////////////											1.2 //
TOTALS	18.4	46.1	30.4	3.7	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.3	.6	.2									1.2	4.5
NNE	.1	.1										.2	3.0
NE	.1		.1									.2	5.0
ENE	.1	.1										.3	4.7
E													
ESE													
SE	.1											.1	1.0
SSE	.2	.1										.3	3.7
S	.4	1.6	2.3	.2								4.5	6.7
SSW	.4	3.5	11.4	3.2								18.6	8.5
SW	1.2	7.8	14.2	4.9	.3							28.5	8.3
WSW	1.1	5.7	5.3	.9								12.9	6.7
W	3.2	6.7	2.4	.2								12.5	5.0
WNW	2.0	5.2	1.4	.1								8.7	4.9
NW	1.1	3.9	1.0	.2								6.1	5.3
NNW	1.1	1.4	.4	.6								3.5	5.8

VARIABLE

CALM	////////////////////	2.3	////
TOTALS	11.5 36.8 38.7 10.4 .3	100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: AUG HOURS(LST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND

N		.5	.2									.8	5.4

NNE		.1										.1	4.0

NE													

ENE	.2											.2	2.5

E		.1	.1									.2	5.5

ESE	.2											.2	2.5

SE	.1	.1										.2	4.5

SSE	.4	.8										1.2	3.9

S	1.1	8.4	3.5	.2								13.2	5.6

SSW	3.9	16.9	16.5	2.4								39.6	6.5

SW	2.0	8.6	14.7	3.1	.1							28.6	7.5

WSW	1.0	1.2	2.3	.5								4.9	6.8

W	1.4	1.4	.2									3.0	3.9

WNW	1.0	.9	.2									2.0	3.7

NW	.8	.3										1.1	2.8

NNW	.2	.6	.3	.1								1.3	5.9

VARIABLE

CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.3	//////

TOTALS	12.3	39.9	38.1	6.3	.1							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		.1				.1					.2	7.5
NNE												
NE												
ENE	.2										.2	2.0
E	.4	.3									.8	2.9
ESE	3.2	4.5									7.7	3.6
SE	4.8	15.1	.3								20.2	4.0
SSE	7.4	13.5	1.3								22.3	4.1
S	7.6	15.7	4.4								27.7	4.6
SSW	3.8	5.7	1.6								11.1	4.4
SW	1.5	2.4	.3	.2							4.4	4.5
WSW	.5	.2									.8	3.0
W	.1	.1	.1								.3	4.3
WNW	.2										.2	2.5
NW		.1									.1	6.0
NNW	.1	.3									.4	4.3
VARIABLE												
CALM	////////////////////										3.5	////
TOTALS	30.0	58.1	8.2	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	.4	.1	.0							.9	4.3
NNE	.1	.0	.0								.1	3.1
NE	.1		.0								.1	4.2
ENE	.1	.0	.0								.1	3.3
E	.2	.2	.0								.4	3.1
ESE	2.1	2.0									4.1	3.4
SE	4.9	6.9	.2								12.0	3.7
SSE	4.4	6.0	.8								11.2	4.0
S	4.4	9.2	3.7	.2							17.5	4.9
SSW	2.4	6.7	6.5	1.2							16.9	6.4
SW	1.5	4.6	5.6	1.2	.1						13.0	7.0
WSW	1.0	1.9	1.6	.2	.0						4.7	5.9
W	1.6	2.8	.8	.0							5.3	4.6
WNW	1.0	1.8	.4	.0							3.1	4.5
NW	1.0	1.3	.4	.1	.0						2.8	4.8
NNW	.4	.7	.3	.2							1.6	5.9

VARIABLE

CALM	6.0	////
TOTALS	25.6	44.6 20.5 3.2 .1

TOTAL NUMBER OF OBSERVATIONS: 7440

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.3	1.0	.9	.3								2.6	6.6
NNE	.3	.3										.7	3.5
NE	.2											.2	2.0
ENE	.3		.1									.4	4.3
E	2.3	1.1										3.4	2.8
ESE	9.3	6.8										16.1	3.2
SE	8.6	12.9	.3									21.8	3.7
SSE	5.2	7.9	.9									14.0	3.9
S	5.0	6.1	1.0	.2								12.3	4.1
SSW	.6	1.8	.2									2.6	4.4
SW	.4	.4										.9	3.5
WSW													
W	.1	.3										.4	4.3
WNW		.1										.1	5.0
NW	.4	.4										.9	3.9
NNW	.4	.7	.1	.2								1.4	5.5

VARIABLE

CALM	22.1	////
TOTALS	33.7	39.9 3.6 .3

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.0	1.4	.6								3.0	4.6
NNE	.7	.3									1.0	2.8
NE	1.9										1.9	1.9
ENE	.4	.1									.6	2.2
E	1.8	.4									2.2	2.6
ESE	8.2	5.1									13.3	3.1
SE	8.2	13.9	.2								22.3	3.7
SSE	4.0	7.1	1.2								12.3	4.2
S	3.4	5.7	1.2	.2							10.6	4.5
SSW	.4	.7	.2								1.3	4.3
SW	.6	.2	.1								.9	3.4
WSW												
W	.1										.1	3.0
WNW		.3									.3	4.3
NW	.3	.4	.2								1.0	5.0
NNW	.4	1.2	.7	.2							2.6	6.2
VARIABLE												
CALM	////////////////////											26.6 //
TOTALS	31.6	37.0	4.4	.4							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.1	1.9	2.0	.4							6.4	5.4
NNE	.9	.2	.1	.1							1.3	3.5
NE	.7	.2	.1								1.0	3.1
ENE	.9	.1									1.0	2.3
E	1.9	.2									2.1	2.3
ESE	3.9	2.6	.2								6.7	3.2
SE	4.9	6.4	.3								11.7	3.6
SSE	4.2	7.7	1.9	.1							13.9	4.5
S	3.8	7.2	2.6	.7	.1						14.3	5.3
SSW	1.9	1.9	1.0	.2							5.0	4.8
SW	.7	.9	.3								1.9	4.4
WSW	.4	.1									.6	2.6
W	.3										.3	2.3
WNW	.6	.3									.9	2.8
NW	.6	.6	.2								1.3	4.1
NNW	1.0	2.0	1.6	.6							5.1	6.3

VARIABLE

CALM	26.4	////
TOTALS	28.7	32.3 10.3 2.1 .1

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.8	1.3	2.2	.9							5.2	7.7
NNE		.4									.6	2.2
NE		.1									.1	2.0
ENE		.2									.2	2.5
E		.2									.4	3.5
ESE		.2		.1							1.0	4.8
SE		1.0		.2							1.7	3.5
SSE		1.8	1.6	1.4	.1						4.9	5.1
S		4.2	7.7	4.6	1.0	.2					17.9	5.7
SSW		2.9	4.8	5.0	.7						13.3	6.0
SW		3.1	3.6	3.8	.4						11.2	5.9
WSW		2.1	1.6	.4							4.6	4.0
W		3.2	1.7		.1						5.0	3.2
WNW		3.2	1.6	.4							5.2	3.3
NW		2.7	3.5	1.0	.1						7.7	4.6
NNW		1.9	4.4	3.7	2.0	.1					12.1	7.2
VARIABLE												
CALM											8.9	////
TOTALS	28.1	33.4	23.6	5.7	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(1ST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.2	1.4	2.0	1.7	.1						6.4	7.7
NNE	.2										.2	1.0
NE		.1									.1	5.0
ENE	.1	.2									.3	5.0
E	.2	.1		.1							.4	5.3
ESE	.1		.1								.2	5.0
SE	.3	.2		.3							.9	6.8
SSE	.3	.3	.2	.2							1.1	6.3
S	.7	2.2	2.1	.3							5.9	6.8
SSW	1.1	5.9	4.9	1.4							13.3	6.9
SW	2.2	5.8	4.2	1.9							14.7	6.7
WSW	2.4	3.2	1.9	.8							8.3	5.7
W	4.0	6.9	1.4								12.3	4.2
WNW	3.4	5.4	1.7			.1					10.7	4.8
NW	2.8	5.6	2.8	.4							11.9	5.5
NNW	1.1	3.7	2.7	1.9	.2						9.6	7.5

VARIABLE												
CALM	////////////////////										3.6	////
TOTALS	20.3	41.1	24.6	10.0	.3	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 920

JOURNAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFLTAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(1ST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.9	2.2	1.1	.9	.1						6.2	6.0
NNE	.6	.2									.8	2.6
NE		.1									.1	5.0
ENE												
E	.1	.6									.7	4.7
ESE	.1	.1	.4	.1							.8	8.0
SE	.2	.2	.1	.2							.8	7.1
SSE		.3	.3	.2		.1					1.0	10.0
S	.2	1.9	2.1	.4							4.7	7.2
SSW	.4	2.2	5.6	2.3							10.6	8.5
SW	.7	4.3	7.9	3.2							16.1	8.3
WSW	1.2	2.6	4.8	1.8							10.3	7.5
W	2.9	5.6	1.7	.6							10.7	5.2
WNW	3.3	6.7	1.0	.2							11.2	4.5
NW	2.6	5.3	2.2	1.3	.1						11.6	6.0
NNW	1.7	4.1	3.2	1.1	.1						10.2	6.7

VARIABLE	////	////	////	////	////	////	////	////	////	////	4.3	////
CALM	15.9	36.4	30.4	12.4	.3	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.9	1.1	.2	.1							4.3	3.6
NNE	.2										.2	2.5
NE	.4		.2								.7	4.2
ENE												
E		.1	.1								.2	7.0
ESE	1.0	1.0	.1								2.1	3.5
SE	.9	.6	.2	.2							1.9	4.9
SSE	.6	1.1	.3	.1							2.1	4.7
S	3.9	5.9	1.9	.3							12.0	4.7
SSW	5.9	11.0	5.9	.2							23.0	5.3
SW	2.0	5.2	6.3	1.2							14.8	6.8
WSW	.4	1.6	1.7	.7							4.3	7.2
W	1.1	1.4	.4	.1							3.1	4.6
WNW	1.0	.6	.1								1.7	3.5
NW	2.0	2.8	.2	.2							5.2	4.2
NNW	1.2	3.4	.6	.6							5.8	5.4

VARIABLE	////////////////////	18.6	////
CALM	////////////////////	100.0	4.3
TOTALS	23.6 35.8 18.3 3.9		

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS: 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N	.8	.9								1.7	3.7
NNE	.6		.1							.7	3.0
NE	.4		.1							.6	3.4
ENE	.3	.1	.2							.7	4.3
E	1.0	1.0	.1							2.1	3.5
ESE	5.1	6.6								11.7	3.6
SE	7.0	9.3	.3							16.7	3.7
SSE	5.0	7.4	1.2							13.7	4.0
S	4.7	8.7	1.7							15.0	4.3
SSW	3.8	2.8	1.3	.2						8.1	4.2
SW	1.3	1.7	.4	.1						3.6	4.3
WSW	.2	.4	.1							.8	4.3
W	.1									.1	2.0
WNW	.2	.4	.1							.8	4.7
NW	.3	.4	.1							.9	4.4
NNW	.3	.4	.6	.2						1.6	6.8

VARIABLE

CALM	////////////////////	21.6	////
TOTALS	31.2 40.2 6.4 .6	100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86 ALL
 MONTH: SEP HOURS(IST):

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.4	1.4	1.1	.5	.0						4.5	6.0
NNE	.5	.2	.0	.0							.7	2.9
NE	.5	.1	.1								.6	2.8
ENE	.3	.1	.0								.4	3.3
E	.9	.5	.0								1.5	3.1
ESE	3.5	2.8	.1	.0							6.5	3.4
SE	3.9	5.5	.2	.1							9.7	3.8
SSE	2.6	4.2	.9	.1		.0					7.9	4.4
S	3.2	5.7	2.2	.5	.0						11.6	5.1
SSW	2.1	3.9	3.0	.6							9.7	5.9
SW	1.4	2.8	3.0	.9							8.0	6.7
WSW	.9	1.2	1.2	.4							3.6	6.2
W	1.5	2.0	.4	.1							4.0	4.4
WNW	1.5	1.9	.4	.0			.0				3.9	4.3
NW	1.5	2.4	.8	.3	.0						5.1	5.2
NNW	1.0	2.5	1.6	.8	.1						6.0	6.7

VARIABLE

CALM /// 16.5 //

TOTALS 26.6 37.0 15.2 4.5 .1 .0 100.0 4.2

TOTAL NUMBER OF OBSERVATIONS: 7200

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.0	1.0	1.0	.1						3.9	4.8
NNE	.6	.3									1.0	3.0
NE	.9	.2									1.1	2.6
ENE	1.0	.4									1.4	2.7
E	3.0	.6									3.7	2.4
ESE	10.1	8.6	.2								19.1	3.3
SE	7.5	7.5	.6	.4							16.1	3.8
SSE	2.9	3.3	1.3	.4							8.0	4.9
S	1.1	2.6	1.1	.1							4.8	4.9
SSW	.8	.5	.2	.2							1.7	4.9
SW	.2	.1	.4								.8	5.7
WSW	.2										.2	1.5
W	.3										.3	2.0
WNW	.3										.3	2.3
NW	.3	.6		.1							1.1	4.7
NNW	.3	.8	1.1	.6							2.8	7.6
VARIABLE												
CALM	////////////////////											33.8
TOTALS	31.4	26.9	5.9	2.0							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.4	1.2	.8	.1								3.4	4.6
NNE	1.2	.1										1.3	2.6
NE	1.7	.5										2.3	2.6
ENE	1.5	.2										1.7	2.3
E	2.4	.9										3.2	2.7
ESE	7.4	5.9	.1									13.4	3.3
SE	8.3	8.8	.6	.1								17.8	3.6
SSE	2.2	3.0	.3	.3	.1							5.9	4.6
S	1.7	2.5	.5	.1								4.8	4.6
SSW	.3	.4	.4									1.2	5.6
SW	.3	.4	.1									.9	4.3
WSW	.1											.1	1.0
W		.1										.1	6.0
WNW	.1	.3	.1									.5	4.0
NW	.5	.4	.1									1.1	3.5
NNW	.6	.9	1.0	.8								3.2	7.3

VARIABLE

CALM	////////////////////	38.9	////
TOTALS	29.8 25.7 4.1 1.4 .1	100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(1ST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.3	1.8	1.1	.6							5.8	5.4
NNE	.8	.1	.1								1.0	3.0
NE	1.1	.1									1.2	2.7
ENE	.4	.4									.9	2.9
E	1.7	.3									2.0	2.4
ESE	6.6	4.1	.5								11.2	3.3
SE	5.7	6.7	.6	.1							13.1	3.8
SSE	2.7	3.5	.8	.3							7.3	4.6
S	2.2	3.5	.4	.1							6.2	4.2
SSW	.6	.9	.3								1.8	4.5
SW	.5	.3	.2	.1							1.2	4.5
WSW	.2	.1									.3	2.7
W	.3										.3	2.3
WNW	.3										.3	2.3
NW	.5	.6	.2								1.4	4.5
NNW	1.4	1.4	.6	.8	.1						4.3	6.3

VARIABLE												
CALM	////////////////////										41.6	////
TOTALS	27.3	24.0	4.9	2.0	.1						100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	1.8	1.3	.6							5.2	6.3
NNE	.4										.4	2.0
NE	.3	.1									.4	2.3
ENE		.1									.1	4.0
E	.8	.1									.9	2.1
ESE	.8	.4	.1								1.3	3.3
SE	.9	1.2	.9								2.9	4.9
SSE	2.3	3.0	1.6	.8							7.6	5.4
S	3.7	7.4	2.7	1.3							15.1	5.5
SSW	2.9	3.4	2.7	.3							9.4	5.1
SW	2.4	1.7	1.3	.1							5.5	4.5
WSW	1.7	.6									2.4	2.9
W	2.8	1.4	.2								4.4	3.0
WNW	3.7	1.5	.3								5.5	2.9
NW	4.4	2.5	.4	.1							7.4	3.4
NNW	3.0	3.4	1.9	1.9	.5	.1					11.0	7.0
VARIABLE												
CALM	////////////////////											20.6
TOTALS	31.3	28.8	13.4	5.2	.5	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.6	1.7	1.5	1.4	.1	.1						6.5	7.6
NNE	.8	.5										1.3	3.1
NE	.1	.1										.2	4.0
ENE	.4	.2										.6	2.8
E													
ESE	.2		.2									.4	5.3
SE	.6	.5	.4	.2		.1						1.9	7.0
SSE	.2	.4	1.2	.8	.1	.1						2.8	9.5
S	1.5	2.4	2.0	1.3	.2							7.4	6.8
SSW	2.3	3.3	2.4	1.1								9.0	6.0
SW	1.8	3.1	2.0	.2								7.2	5.3
WSW	3.0	3.3	1.2									7.5	4.2
W	5.3	4.6	.5									10.4	3.6
WNW	3.7	5.7	1.1	.1								10.5	4.4
NW	5.1	5.2	2.2	.3								13.1	5.0
NNW	2.9	4.1	2.8	1.0	.9							11.6	6.9

VARIABLE

CALM	9.4	////	////	////	////	////	////	////	////	////	////	9.4	////
TOTALS	29.5	35.3	17.5	6.8	1.3	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	3.9	3.0	1.5	1.1	.1							9.6	5.4
NNE	.5	.3	.1									1.0	3.7
NE	.2											.2	2.0
ENE	.1	.2										.3	4.7
E	.3	.4	.1									.9	4.4
ESE	.4	.2		.1								.8	4.0
SE	.2	.4	1.2	.1								1.9	7.4
SSE	.3	1.2	.4	.3	.1	.2						2.6	8.2
S	1.7	2.3	1.2	.3								5.5	5.2
SSW	1.5	3.7	3.3	1.2								9.7	6.5
SW	1.5	2.9	2.2	.9								7.4	6.1
WSW	2.3	1.9	1.3	.1								5.6	4.5
W	3.1	4.0	.5	.2								7.8	4.0
WNW	3.1	2.7	1.2									7.0	4.2
NW	3.4	4.2	2.5	.3	.2							10.6	5.3
NNW	3.0	4.1	2.8	1.7	1.0							12.6	7.4

VARIABLE	25.7	31.5	18.3	6.3	1.4	.2						16.6	100.0	4.7
CALM														
TOTALS														

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N	2.3	1.2	1.5	.3								5.3	5.2
NNE	.9	.3										1.2	2.6
NE	.8	.3										1.1	3.2
ENE	.5	.3										.9	3.5
E	1.5	1.4	.1									3.0	3.4
ESE	2.2	2.5										4.6	3.5
SE	2.4	1.8	.1									4.3	3.2
SSE	1.7	2.2	.5	.1	.1							4.6	4.6
S	3.3	3.5	1.5	.2	.1							8.7	4.8
SSW	5.4	5.4	1.1	.3								12.2	4.0
SW	1.2	2.0	1.2	.2								4.6	5.4
WSW	.2	.6	.4	.1								1.4	6.2
W	.4	.2	.3	.1								1.1	5.8
WNW	.5											.5	2.2
NW	1.4	1.3	.2	.1								3.0	3.9
NNW	1.1	1.5	.9	.6	.1							4.2	6.8

VARIABLE													
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	39.4	////////
TOTALS	25.7	24.6	7.8	2.2	.3							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.8	1.2	.8	.2								2.9	5.6
NNE	1.2	.4										1.6	2.7
NE	.4	.4										.9	2.9
ENE	.9	.2										1.1	2.9
E	2.9	1.4	.1									4.4	2.9
ESE	8.0	11.9	.1									20.0	3.6
SE	8.3	6.1	.4	.1								16.9	3.5
SSE	2.9	3.4	.5	.3								7.2	4.3
S	2.5	1.7	1.0	.1								5.3	4.0
SSW	1.4	.8	.5	.1								2.8	4.3
SW	.4	1.2	.2									1.8	4.6
WSW	.1	.1										.2	3.5
W		.2										.2	5.0
WNW	.2	.6	.2									1.1	4.9
NW	.2	.4	.3	.1								1.1	5.6
NNW	.3	1.3	1.3	.5								3.4	7.1

VARIABLE

CALM	////////////////////	29.1	////
TOTALS	30.4 33.4 5.5 1.5	100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 72035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.9	1.6	1.2	.6	.0	.0					5.3	5.7
NNE	.8	.3	.0								1.1	2.9
NE	.7	.2									.9	2.8
ENE	.6	.3									.9	2.9
E	1.6	.6	.0								2.3	2.8
ESE	4.4	4.2	.2	.0							8.9	3.4
SE	4.2	4.4	.6	.1		.0					9.4	3.9
SSE	1.9	2.5	.8	.4	.1	.0					5.8	5.2
S	2.2	3.2	1.3	.4	.0						7.2	5.1
SSW	1.9	2.3	1.4	.4							6.0	5.2
SW	1.0	1.5	1.0	.2							3.7	5.3
WSW	1.0	.8	.4	.0							2.2	4.2
W	1.5	1.3	.2	.0							3.1	3.7
WNW	1.5	1.4	.4	.0							3.2	3.9
NW	2.0	1.9	.7	.2	.0						4.9	4.7
NNW	1.6	2.2	1.5	1.0	.3	.0					6.6	7.1
VARIABLE												
CALM												20.7
TOTALS	28.9	28.8	9.7	3.4	.5	.1					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 7440

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

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.1	1.0	.7	.2								3.0	4.9
NNE	1.0	.0										2.6	3.0
NE	1.7	.8										2.4	2.9
ENE	1.0	.4										2.2	2.6
E	2.3	1.4	.2									4.3	3.4
ESE	6.3	5.3	.1									11.0	3.4
SE	3.0	4.2	1.8	.3								10.1	4.0
SSE	.9	2.0	1.3	1.4	.7							6.3	8.8
S	1.4	1.6	2.0	.0	.3							6.1	7.1
SSW	.3	.7	.2	.1								1.3	5.5
SW	.4	.1	.1	.1								.7	5.2
WSW	.1		.1									.2	6.5
W	.2	.1										.3	2.7
WNW	.3	.1	.2									.7	4.0
NW	.6	.4	.7	.1								2.1	5.6
NNW	1.3	2.4	.8	.6								5.1	5.6

VARIABLE

CALM	////////////////////	39.9	////
TOTALS	24.4 25.4 8.7 3.7 1.0	100.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
N	1.1	1.3	1.3	.2								4.0	5.9
NNE	.9	.9	.1	.1								2.0	4.1
NE	2.2	.4										2.7	2.4
ENE	1.6	.6										2.1	2.5
E	3.3	1.1	.1									4.6	2.9
ESE	5.2	4.2	.2									9.8	3.4
SE	2.3	3.0	1.8	.4	.1							7.7	5.5
SSE	.9	2.3	1.9	1.1	.4	.3						7.0	8.6
S	.9	1.1	2.6	.4	.2							5.7	7.9
SSW	.7	.2	.3	.1	.1							1.4	6.1
SW	.4	.1	.2									.8	4.1
WSW	.1	.2										.3	3.7
W	.2											.2	2.0
WNW	.3	.1										.4	3.3
NW	1.1	.6	.7									2.3	4.3
NNW	.6	1.6	.7	.4								3.2	6.3

VARIABLE

CALM	21.9	17.4	10.7	3.3	.9	.3						45.8	////
TOTALS												100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 724855 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(1ST): 0600-0800

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND

N

NNE

NE

ENE

E

ESE

SE

SSE

S

SSW

SW

WSW

W

WNW

NW

NNW

VARIABLE

CALM

TOTALS

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATELOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.2	3.0	.4	.3						7.2	7.1
NNE	1.1	.8									1.9	3.1
NE	.4										.4	2.5
ENE	.7	.2									.9	2.4
E	1.2	.1	.1								1.4	2.4
ESE	.8	.9	.4			.1					2.2	5.3
SE	1.6	2.4	1.1	.4	.1	.1					6.1	6.0
SSE	1.7	2.7	2.9	2.3	1.0	.3	.1				10.7	9.2
S	3.4	5.1	4.0	1.9	.1						14.6	6.4
SSW	1.2	1.3	.9	.6							4.0	5.9
SW	1.0	.6	.1	.2							2.0	4.4
WSW	1.1	.2	.1	.2							1.7	4.2
W	2.6	1.3									3.9	2.9
WNW	2.2	.7	.2								3.1	2.9
NW	2.9	2.8	1.1								6.8	4.2
NNW	2.1	2.1	1.9	.6	.3						7.2	6.6

VARIABLE												
CALM	////////////////////											
TOTALS	25.2	27.8	16.0	6.6	1.9	.6	.1				25.9	4.4

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	3.2	2.2	1.7	.3						0.8	7.3
NNE	.8	.8	.2								1.8	3.9
NE	.2	.1									.3	3.3
NNE	.2	.1									.3	2.7
E	.2	.4									.7	3.2
ESE	.6	.7	.2								1.6	4.6
SE	.7	1.3	1.1	.8	.1	.2					4.2	8.3
SSE	.7	2.3	2.2	2.0	.6	.1	.2				8.2	9.6
S	2.1	5.1	3.3	1.6	.3						12.4	6.8
SSW	1.9	3.1	2.0	1.0							8.0	5.9
SW	2.2	1.8	.9	.6							5.7	5.6
WSW	1.6	.9	.2	.1	.1						3.0	4.6
W	2.4	1.8	.7								4.9	3.8
WNW	1.8	2.8	.2	.2	.1						5.1	4.6
NW	2.7	4.6	2.3	.2	.1						9.9	5.3
NNW	2.6	3.6	3.7	1.4	.8						11.9	7.5

VARIABLE

CALM	13.2	////
TOTALS	21.9	32.6
	19.2	10.1
	2.4	.2
	.7	.2
	100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.0	4.7	3.0	.7	.4						11.8	6.0
NNE	.4	.1	.4								1.0	5.1
NE	.3	.3									.7	3.5
ENE	.1	.1									.2	4.0
E	.2	.4									.7	3.8
ESE	.9	1.4	.3	.1							2.8	4.4
SE	1.1	2.7	1.0	.3	.2	.1					5.4	6.5
SSE	1.6	2.2	1.0	1.9	.4	.2	.1				7.4	8.6
S	2.9	2.9	2.3	.7		.2					9.0	6.0
SSW	1.7	2.7	.9	.3							5.6	5.3
SW	2.3	1.3	1.2	.4							5.3	5.4
WSW	.4	1.0	.3								1.8	4.8
W	1.3	.9	.1	.1							2.4	3.9
WNW	1.4	1.4	.4								3.3	4.1
NW	2.9	3.4	1.7	.7	.1						8.8	5.4
NNW	2.4	3.0	2.9	1.6	.1						10.0	6.6

VARIABLE	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	23.8	////////
TOTALS	23.1	28.7	15.7	6.8	1.3	.6	.1				100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 1800-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	2.4	2.6	.9	.7								6.6	5.1
NNE	1.6	.3	.1									2.0	2.4
NE	1.4	.2										1.7	2.4
ENE	.9	.2										1.1	2.6
E	1.6	.9										2.4	3.0
ESE	4.9	3.4	.9									9.2	3.6
SE	3.4	3.8	1.1	.9	.1							9.3	5.3
SSE	1.6	2.4	1.6	.9	.3	.7						7.4	8.5
S	1.6	1.0	1.0	.8	.2							4.6	6.6
SSW	1.2	.9	.6	.2								2.9	5.0
SW	.6	.3	.4		.1							1.4	5.8
WSW	.1		.1									.2	5.0
W	.2	.6	.2									1.0	4.8
WNW	1.0	.1										1.1	2.2
NW	1.2	1.9	.2									3.3	3.8
NNW	1.4	1.8	1.2	.4								4.9	5.9

VARIABLE

CALM
 TOTALS

25.1 20.4 8.3 3.9 .8 .7 40.8 100.0 3.0

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(1ST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.8	2.1	1.6	.3								4.8	5.9
NNE	1.3	.8	.1									2.2	3.3
NE	1.1	.6	.1									1.8	3.5
ENE	1.9	.2										2.1	2.4
E	2.9	2.0	.2									5.1	3.2
ESE	5.9	7.1										13.0	3.4
SE	3.4	4.9	1.0	.9								10.2	5.0
SSE	.9	2.7	2.0	1.2	.3							7.1	7.8
S	1.4	1.2	1.7	1.6	.1							6.0	7.8
SSW	.8	.4	.3	.3	.1							2.0	6.6
SW	.8	.2		.1								1.1	3.6
WSW		.1										.1	5.0
W	.2	.4										.7	3.2
WNN	.2											.2	3.0
NW	.8	1.1	.3	.2								2.4	5.1
NNW	.9	1.7	.6	.2								3.3	5.2
VARIABLE													
CALM												37.8	////
TOTALS	23.3	25.6	7.9	4.9	.6							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL Σ	MEAN WIND
N	1.6	2.4	1.8	.6	.1							6.6	6.1
NNE	1.2	.6	.1	.0								1.9	3.3
NE	1.2	.4	.0									1.5	2.8
ENE	1.0	.2										1.2	2.5
E	1.7	1.0	.1									2.8	3.1
ESE	3.6	3.1	.4	.0		.0						7.2	3.6
SE	2.4	3.2	1.4	.6	.1	.1						7.7	5.6
SSE	1.1	2.2	1.9	1.4	.6	.3	.1					7.6	8.9
S	1.9	2.4	2.3	1.2	.2	.0						8.0	6.9
SSW	1.0	1.2	.7	.4	.0							3.3	5.7
SW	1.0	.6	.4	.2	.0							2.2	5.3
WSW	.5	.3	.1	.0	.0							1.0	4.5
W	1.0	.6	.1	.0								1.8	3.5
WNW	.9	.7	.1	.0	.0							1.8	3.8
NW	1.7	2.0	.9	.2	.0							4.8	4.9
NNW	1.6	2.3	1.5	.3	.2							6.2	6.5

VARIABLE

CALM	23.3	23.3	11.8	5.5	1.3	.4	.1					34.4	////
TOTALS	23.3	23.3	11.8	5.5	1.3	.4	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 7200

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0000-0200

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	2.2	1.7	1.4	1.1								6.3	5.9
NNE	1.8	.3	.1									2.3	2.7
NE	2.0	.4										2.5	2.5
ENE	1.1	.5	.1									1.7	3.1
E	3.1	.3	.2									3.7	2.6
ESE	4.8	4.9	.4	.1								10.3	3.7
SE	3.5	3.9	.9	.8	.1	.2	.1					9.5	5.7
SSE	1.5	2.6	1.6	1.2	.4	.2						7.5	7.6
S	2.2	1.7	1.6	.9	.4	.2						7.0	7.4
SSW	.5	.8		.1								1.4	4.2
SW	.5	.1	.1									.8	3.3
WSW	.2		.1									.3	4.0
W	.3		.1									.4	3.0
WNW	.4											.4	2.0
NW	.8	.9	.2	.2								2.0	4.9
NNW	.8	.9	.9	.9	.1							3.4	7.7

VARIABLE

CALM	25.8	19.0	7.7	5.2	1.1	.6	.1					40.4	////
TOTALS	25.8	19.0	7.7	5.2	1.1	.6	.1					100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.0	1.9	2.4	.5	.1						7.0	5.9
NNE	1.5	.1	.1								1.7	2.6
NE	1.5	.2									1.7	2.6
ENE	1.9	.4									2.4	2.6
E	2.3	1.2	.2								3.7	3.1
ESE	2.6	1.9	.5	.4							5.5	4.5
SE	2.6	3.1	1.5	.5	.3	.3		.1			8.5	7.0
SSE	1.1	2.2	2.0	1.2	.3	.2					7.0	7.9
S	2.3	2.0	1.7	1.1							7.1	6.3
SSW	.8	.6	.3		.1						1.8	5.1
SW	.5	.1	.1								.8	3.0
WSW	.5	.2									.8	3.0
W	.5										.5	2.2
WNW	.6	.4									1.1	3.2
NW	.9	.6	.2								1.7	4.1
NNW	.9	2.3	1.2	.8							5.1	6.6

VARIABLE

CALM	22.5	17.4	10.3	4.5	.9	.5	.1				43.8	////
TOTALS											100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	3.0	1.5	.3	.2						7.4	5.3
NNE	1.5	.4									1.9	2.7
NE	1.4	.2									1.6	2.5
ENE	1.0	.2	.1								1.3	2.8
E	1.8	1.2									3.0	3.0
ESE	3.0	1.9	.2	.2	.1						5.5	4.0
SE	3.3	2.4	1.7	1.1	.4						8.9	6.3
SSE	1.4	1.3	3.0	1.1	.4	.4	.1				7.7	9.2
S	2.2	1.4	1.3	.9	.1	.2					6.0	6.6
SSW	.6	.4	.1	.1							1.3	4.2
SW	.5	.3	.2								1.1	4.3
WSW	.1	.3	.1	.1							.6	5.5
W	1.0	.1	.1	.1							1.3	3.9
WNW	.5	.2									.8	2.4
NW	1.2	.9		.3							2.4	4.4
NNW	1.5	1.6	1.4	1.1	.2						5.8	6.9
VARIABLE												
CALM	////////////////////											43.3
TOTALS	23.4	15.9	9.6	5.3	1.5	.6	.1				100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N	2.3	3.2	1.5	.4	.2							7.6	5.7
NNE	1.4	.9										2.3	2.8
NE	.9	.1										1.0	1.9
ENE	.4		.2									.6	3.5
E	1.5	.5	.1									2.2	2.7
ESE	1.9	1.1	.4	.2	.2							3.9	5.1
SE	2.2	1.3	.9	.5		.3						5.2	6.3
SSE	2.4	3.4	3.0	2.2	1.4	.9	.3					13.5	9.5
S	2.8	3.0	2.2	1.1								9.0	5.9
SSW	1.9	1.0	.3	.3								3.5	4.3
SW	1.2	.4	.4	.1								2.2	4.3
WSW	.5	.5	.4									1.5	5.0
W	.9	.3										1.2	2.6
WNW	1.6	.9	.4									2.9	3.7
NW	1.4	1.0	.8	.1								3.2	4.4
NNW	1.5	2.4	1.6	1.4	.8							7.6	8.4

VARIABLE

CALM	24.7	20.0	12.3	6.3	2.6	1.2	.3	32.6	100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS: 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.3	2.5	2.4	1.2	.4						8.7	6.9
NNE	.9	.2	.2								1.3	3.4
NE	.9		.1								1.0	2.6
ENE	.8	.1									.9	2.0
E	1.0	.2									1.2	2.6
ESE	.9	.5	.3								1.7	4.3
SE	1.3	1.3	.8	.5	.5	.1					4.5	8.0
SSE	1.0	2.6	1.8	2.2	1.1	.6	.1				9.4	10.6
S	2.4	3.7	3.9	1.5	.1	.3					11.8	7.3
SSW	2.5	1.9	.6	.2		.2					5.5	5.1
SW	2.9	1.2	.2	.4							4.7	4.0
WSW	1.3	.9	.1			.1					2.4	4.2
W	1.9	1.5		.3							3.8	3.7
WNW	1.6	1.6									3.2	3.7
NW	2.3	3.8	1.9	.2	.1						8.3	5.1
NNW	2.4	2.4	2.4	1.7	.8	.6					10.2	9.0

VARIABLE

21.5
 100.0
 5.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	3.8	3.0	1.6	1.3	.5	.1						10.5	6.4
NNE	1.1	.5	.3		.1							2.0	4.6
NE	.5											.5	1.6
ENE	.3	.2										.5	2.6
E	.8	.1	.1									1.0	3.1
ESE	1.4	1.5	.6	.2								3.8	4.8
SE	2.0	.8	1.2	.5	.1	.2	.1					4.9	6.8
SSE	1.9	2.4	1.1	1.7	.6	.6	.1					8.5	9.0
S	3.7	1.7	1.4	.8	.2	.2						8.0	6.2
SSW	2.4	1.2	.5	.1								4.2	3.8
SW	2.7	1.1	.3	.3								4.4	4.1
WSW	1.6	.6										2.3	2.9
W	1.3	1.0	.2	.2								2.7	4.3
WNW	1.9	.9	.2									3.0	3.2
NW	1.0	1.7	1.1	.1	.1							4.0	5.5
NNW	1.7	3.4	3.0	1.8	.1	.1						10.2	7.3

VARIABLE

CALM	29.5	////
TOTALS	28.1	20.1 11.5 7.1 1.8 1.3 .2

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.9	2.8	1.6	.9	.4						8.6	6.2
NNE	1.7	.5	.1								2.4	3.2
NE	.9	.1									1.0	2.1
ENE	.9		.1								1.0	2.4
E	2.6	.8									3.3	2.5
ESE	4.2	3.0	.4								7.6	3.4
SE	3.1	3.7	1.0	.4	.3	.3	.1				8.9	6.2
SSE	2.5	2.2	1.2	1.4	.4						7.6	6.7
S	1.8	1.4	1.5	.1	.5	.1					6.1	7.4
SSW	1.2	.8	.4								2.4	4.1
SW	.4	.2	.4								1.1	5.2
WSW	.3			.1		.1					.5	8.2
W	.5	.2									.8	2.9
WNW	.5	.3									.9	2.6
W	1.2	.9	.1								2.2	3.5
NNW	.8	2.3	.6	.6							4.3	6.0

VARIABLE											
CALM	////////////////////										41.4
TOTALS	25.5	19.0	7.5	4.2	1.7	.5	.1				100.0

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF DIRECTIONAL WIND DIRECTION FROM HOURLY OBSERVATIONS

REURAC - COMPARISON BY PERIOD
USAF LTAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.2	2.6	2.0	.9							7.6	6.1
NNE	1.2	.4									1.6	2.7
NE	1.8	.4									2.3	2.5
ENE	1.2	.5									1.7	2.9
E	1.9	1.8									3.8	3.2
ESE	4.4	3.9	.9								9.1	3.6
SE	3.9	6.3	1.4	.3	.5						12.5	5.1
SSE	2.2	1.8	1.1	1.4	.4	.6					7.5	6.6
S	2.3	1.8	.8	.9	.1	.1					5.9	6.2
SSW	.4	.5	.7								1.3	5.1
SW	.5	.1		.1							.8	4.0
WSW	.3	.1	.1								.5	3.0
W	.3	.1									.4	2.3
WNW	.2	.4									.6	3.8
NW	.2	.8	.2								1.2	4.9
NNW	.4	1.3	.6	.6							3.0	7.1
VARIABLE												
CALM	////////////////////											40.1
TOTALS	23.4	23.0	7.4	4.2	1.1	.8					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS: 00-23:59 ALL

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	2.5	2.6	1.8	.8	.2	.0					8.0	6.1	
NNE	1.4	.4	.1		.0						1.9	3.1	
NE	1.2	.2	.0								1.4	2.4	
ENE	.9	.3	.1								1.3	2.8	
E	1.9	.8	.1								2.7	2.9	
ESE	2.9	2.4	.5	.1	.0						5.9	4.0	
SE	2.7	2.8	1.2	.6	.3	.2	.0	.0			7.9	6.2	
SSE	1.7	2.3	1.9	1.5	.6	.5	.1				9.6	6.8	
S	2.4	2.1	1.8	1.0	.2	.1	.0				7.6	6.7	
SSW	1.3	.9	.3	.1	.0	.0					2.7	4.5	
SW	1.2	.4	.2	.1							2.0	4.1	
WSW	.6	.3	.1	.0		.0					1.1	4.1	
W	.8	.4	.1	.1							1.4	3.6	
WNW	.9	.6	.1								1.6	3.4	
NW	1.1	1.3	.6	.1	.0						3.1	4.8	
NNW	1.2	2.1	1.5	1.1	.2	.1					6.2	7.6	

VARIABLE

CALM	36.6	////	////	////	////	////	////	////	////	////	////	36.6	////
TOTALS	24.9	19.9	10.2	5.0	1.7	.9	.2	.0				100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 7440

STATION NUMBER: 724835 STATION NAME: MATHEW AFB GA PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.4	1.6	1.3	.7	.1	.0	.0					5.2	6.6
NNE	.7	.3	.1	.0	.0							1.1	3.4
NE	.7	.2	.0	.0	.0							.9	2.7
ENE	.6	.2	.0	.0								.8	2.0
E	1.1	.6	.1	.0								1.8	3.1
ESE	2.8	2.8	.2	.0	.0	.0						5.9	3.7
SE	3.3	5.1	.8	.3	.1	.0	.0	.0				9.6	4.6
SSE	2.5	3.7	1.5	1.0	.4	.2	.1	.0				9.4	6.8
S	3.0	4.9	2.7	.8	.1	.1	.0	.0				11.7	5.8
SSW	2.1	3.5	2.8	.8	.0	.0						9.2	6.1
SW	1.3	2.3	2.5	.9	.1	.0						7.1	6.8
WSW	.7	1.0	.8	.2	.0	.0						2.8	6.0
W	1.2	1.3	.4	.1	.0							3.0	4.4
WNW	1.0	1.2	.4	.1	.0	.0						2.5	4.5
NW	1.2	1.6	.9	.3	.0	.0						4.0	5.5
NNW	.9	1.7	1.5	.9	.2	.0	.0					5.3	7.6

VARIABLE

.0

.0

9.0

CALM

19.6

19.6

TOTALS

.0

100.0

4.5

TOTAL NUMBER OF OBSERVATIONS: 87640

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(1ST): ALL

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

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

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	2.9	3.0	1.2	.1								7.1	4.4
NNE	1.6	.5	.2									2.3	3.0
NE	1.0	.2	.0									1.3	2.6
ENE	.9	.3	.1									1.2	2.8
E	1.4	.7	.1	.0								2.2	3.1
ESE	2.2	1.6	.4	.1		.0						4.2	3.9
SE	3.0	2.3	1.0	.3	.1	.1	.0					6.8	5.0
SSE	2.3	2.9	2.1	1.7	.9	.5	.0					10.4	8.7
S	3.4	3.3	2.5	1.3	.4	.2	.0					11.1	6.7
SSW	1.5	1.6	.7	.4	.1	.0						4.3	5.4
SW	1.5	.6	.3	.2	.0	.0						2.7	4.7
WSW	.7	.3	.1	.1	.0							1.2	4.1
W	.9	.5	.1	.0								1.6	3.4
WNW	1.1	.5	.1	.0								1.7	3.3
NW	1.5	1.4	.4	.1								3.4	4.2
NNW	1.6	2.2	1.3	.0								5.2	5.0

VARIABLE

CALM	33.3	////
TOTALS	27.4	21.9 10.5 4.4 1.5 .9 .1

TOTAL NUMBER OF OBSERVATIONS: 6224

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

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

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

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

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

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS". DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

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

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(IST): 0000-0200

CEILING

VISIBILITY IN STATUTE MILES

IN	1	GE	10	GE	6	GE	5	GE	4	GE	3	GE	2 1/2	GE	2	GE	1 1/2	GE	1 1/4	GE	1	GE	3/4	GE	1/2	GE	5/16	GE	1/4	GE	0

NO	CEIL	1	15.8	26.7	28.2	29.5	32.3	32.8	34.2	34.9	35.5	35.8	36.5	36.5	36.8	37.0	37.4	38.6
GE	20000	16.8	28.4	30.0	31.6	34.6	35.2	36.9	37.6	38.2	38.5	39.1	39.1	39.6	40.1	40.3	40.3	41.5
GE	18000	16.9	28.7	30.3	31.9	34.9	35.5	37.2	38.1	38.6	38.9	39.6	39.6	40.1	40.3	40.8	41.9	
GE	16000	16.9	28.7	30.3	31.9	34.9	35.5	37.2	38.1	38.6	38.9	39.6	39.6	40.1	40.3	40.8	41.9	
GE	14000	17.4	29.8	31.4	33.2	36.3	37.1	38.8	39.7	40.2	40.5	41.3	41.3	41.8	42.0	42.5	43.7	
GE	12000	17.7	30.5	32.2	34.0	37.2	38.1	39.8	40.6	41.2	41.5	42.3	42.3	42.8	43.0	43.4	44.6	
GE	10000	19.5	32.8	34.5	36.8	40.3	41.3	43.2	44.1	44.6	44.9	45.7	45.7	46.2	46.5	47.0	48.2	
GE	9000	19.9	33.2	34.9	37.2	40.8	41.7	43.7	44.5	45.1	45.4	46.1	46.1	46.7	46.9	47.4	48.6	
GE	8000	21.6	35.7	37.6	39.9	44.2	45.4	47.4	48.3	48.9	49.4	50.1	50.1	50.8	51.0	51.5	52.9	
GE	7000	21.7	36.1	38.1	40.3	44.6	45.8	48.1	48.9	49.6	50.0	50.8	50.8	51.4	51.6	52.2	53.5	
GE	6000	21.9	37.3	39.2	41.6	45.9	47.1	49.4	50.2	51.0	51.4	52.2	52.2	52.8	53.0	53.5	54.9	
GE	5000	22.7	38.7	41.2	43.5	48.1	49.2	51.7	52.6	53.4	54.0	54.7	54.7	55.4	55.6	56.1	57.5	
GE	4500	24.1	41.0	43.5	46.3	51.0	52.2	54.6	55.5	56.3	56.9	57.7	57.7	58.4	58.6	59.1	60.5	
GE	4000	24.7	42.8	45.6	48.4	53.1	54.3	56.9	58.0	58.8	59.4	60.2	60.2	60.9	61.1	61.6	63.0	
GE	3500	24.8	43.4	46.2	49.1	54.3	55.5	58.1	59.2	60.1	60.6	61.5	61.5	62.2	62.4	62.9	64.3	
GE	3000	25.9	46.7	49.7	52.8	58.1	59.2	61.8	63.0	63.9	64.5	65.4	65.4	66.0	66.2	66.8	68.2	
GE	2500	25.9	46.9	50.2	53.3	58.7	59.9	62.5	63.7	64.5	65.2	66.0	66.0	66.7	66.9	67.4	68.8	
GE	2000	26.0	48.1	51.4	54.6	60.0	61.2	63.9	65.4	66.2	66.9	67.7	67.7	68.4	68.6	69.1	70.5	
GE	1800	26.3	48.6	51.9	55.2	60.6	61.8	64.5	66.0	66.9	67.5	68.4	68.4	69.0	69.2	69.8	71.2	
GE	1500	26.7	49.1	52.8	56.1	61.7	62.9	65.6	67.1	68.0	68.6	69.5	69.5	70.2	70.4	71.0	72.4	
GE	1200	26.9	50.2	54.1	57.4	63.3	64.5	67.3	68.8	69.7	70.3	71.2	71.2	71.9	72.2	72.7	74.1	
GE	1000	26.9	51.0	54.8	58.3	64.4	65.7	68.9	70.4	71.3	71.9	72.8	72.8	73.5	73.8	74.3	75.7	
GE	900	26.9	51.2	55.3	58.9	65.4	66.7	70.0	71.5	72.4	73.0	73.9	73.9	74.6	74.8	75.4	76.8	
GE	800	26.9	51.3	55.4	59.1	65.7	67.1	70.5	72.0	72.9	73.5	74.4	74.4	75.2	75.4	75.9	77.3	
GE	700	26.9	51.5	55.7	59.7	66.8	68.4	72.2	73.7	74.5	75.2	76.0	76.0	76.8	77.0	77.5	78.9	
GE	600	26.9	51.5	55.8	59.9	67.1	68.8	72.6	74.2	75.1	75.7	76.6	76.6	77.3	77.5	78.1	79.6	
GE	500	26.9	51.6	56.1	60.4	68.5	70.8	74.9	76.6	77.4	78.1	78.9	78.9	79.8	80.0	80.5	82.2	
GE	400	26.9	51.6	56.3	60.9	69.2	71.9	76.5	78.7	79.7	80.5	81.4	81.4	82.3	82.6	83.1	85.2	
GE	300	26.9	51.8	56.6	61.1	69.6	72.5	77.4	80.5	81.8	83.0	84.0	84.0	84.9	85.8	86.7	89.0	
GE	200	26.9	51.8	56.6	61.1	69.6	72.5	77.4	80.6	82.0	83.6	85.3	85.3	86.7	88.1	90.4	93.7	
GE	100	26.9	51.8	56.6	61.1	69.6	72.5	77.4	80.6	82.0	83.9	85.6	85.6	87.5	90.0	93.2	98.7	
GE	0	26.9	51.8	56.6	61.1	69.6	72.5	77.4	80.6	82.0	83.9	85.6	85.6	87.5	90.0	93.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0300-0500

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	GE	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	14.6	24.9	26.3	27.1	30.3	30.6	31.2	32.8	33.1	33.9	33.9	34.2	34.2	34.2	34.2	34.6	35.1	
GE 20000	15.1	25.9	27.4	28.4	31.7	32.0	32.6	34.2	34.5	35.3	35.3	35.9	35.9	35.9	35.9	36.3	36.8	
GE 18000	15.1	25.9	27.4	28.4	31.7	32.0	32.6	34.2	34.5	35.3	35.3	35.9	35.9	35.9	35.9	36.3	36.8	
GE 16000	15.1	25.9	27.4	28.4	31.7	32.0	32.6	34.2	34.5	35.3	35.3	35.9	35.9	35.9	35.9	36.3	36.8	
GE 14000	15.6	26.9	28.5	29.6	33.2	33.5	34.1	36.0	36.3	37.1	37.1	37.7	37.7	37.7	38.3	38.7	39.2	
GE 12000	16.3	28.4	30.0	31.3	34.7	35.2	35.7	37.7	38.1	38.8	38.8	39.5	39.5	39.5	40.0	40.4	40.9	
GE 10000	18.3	31.5	33.1	35.1	38.5	38.9	39.5	41.7	42.0	42.9	42.9	43.5	43.5	43.5	44.2	44.6	45.1	
GE 9000	18.6	31.8	33.4	35.4	38.8	39.2	39.8	42.0	42.4	43.2	43.2	43.9	43.9	43.9	44.5	44.9	45.4	
GE 8000	20.5	34.5	36.1	38.3	42.3	42.6	43.7	45.9	46.3	47.2	47.3	47.8	47.8	48.2	48.8	49.2	49.7	
GE 7000	20.6	35.1	36.7	38.8	42.8	43.3	44.2	46.5	46.9	47.7	47.8	48.6	48.6	49.4	49.8	50.4	50.9	
GE 6000	21.2	36.0	37.6	39.9	43.9	44.4	45.3	47.5	48.0	48.8	48.9	49.7	49.7	50.4	50.9	51.4	51.9	
GE 5000	22.4	37.7	39.8	42.2	46.3	46.9	47.7	50.0	50.4	51.5	51.7	52.5	52.5	53.2	53.7	54.2	54.7	
GE 4500	24.1	39.8	41.8	44.2	48.7	49.2	50.1	52.4	52.8	53.9	54.1	54.8	54.8	55.6	56.0	56.5	57.0	
GE 4000	25.1	41.9	44.3	46.9	51.6	52.2	53.0	55.3	55.7	56.8	57.0	57.7	57.7	58.5	58.9	59.4	59.9	
GE 3500	25.7	43.2	45.6	48.3	53.2	53.8	54.6	56.9	57.3	58.4	58.6	59.4	59.4	60.1	60.5	61.0	61.5	
GE 3000	26.1	44.9	47.5	50.2	55.3	55.8	56.8	59.2	59.7	60.8	61.0	61.7	61.7	62.5	62.9	63.4	63.9	
GE 2500	26.2	45.3	48.1	50.8	55.8	56.5	57.4	59.9	60.3	61.4	61.6	62.4	62.4	63.1	63.5	64.0	64.5	
GE 2000	26.3	46.1	49.4	52.2	57.5	58.3	59.2	61.7	62.2	63.2	63.4	64.2	64.2	64.9	65.3	65.8	66.3	
GE 1800	26.3	46.1	49.4	52.3	58.0	58.7	59.7	62.2	62.6	63.7	63.9	64.6	64.6	65.3	65.7	66.2	66.7	
GE 1500	26.3	46.9	50.2	53.4	59.7	60.4	61.4	63.9	64.3	65.4	65.6	66.3	66.3	67.1	67.5	68.0	68.5	
GE 1200	26.5	47.6	51.1	54.3	60.8	61.5	62.7	65.2	65.6	66.7	66.9	67.6	67.6	68.4	68.8	69.3	69.8	
GE 1000	26.6	48.2	51.7	55.3	61.8	62.6	64.2	66.7	67.1	68.2	68.4	69.1	69.1	69.9	70.4	70.9	71.4	
GE 900	26.6	48.6	52.2	55.7	62.4	63.1	64.7	67.2	67.6	68.8	69.0	69.8	69.8	70.5	71.0	71.5	72.0	
GE 800	26.6	48.8	52.4	55.9	62.7	63.5	65.2	67.8	68.3	69.5	69.7	70.4	70.4	71.2	71.7	72.2	72.7	
GE 700	26.6	48.9	52.5	56.0	63.1	64.1	65.8	68.6	69.0	70.2	70.4	71.2	71.2	72.0	72.5	73.0	73.5	
GE 600	26.6	48.9	52.5	56.0	63.8	65.1	67.0	70.1	70.5	71.7	71.9	72.7	72.7	73.4	73.9	74.4	74.9	
GE 500	26.6	49.1	53.1	56.9	65.6	67.2	70.2	73.4	73.9	75.1	75.3	76.0	76.0	76.9	77.4	77.9	78.4	
GE 400	26.6	49.1	53.5	57.4	66.6	68.3	71.6	75.3	75.7	77.0	77.2	78.0	78.0	78.9	79.4	79.9	80.4	
GE 300	26.6	49.1	53.5	57.5	66.9	69.1	72.7	77.1	78.1	79.4	80.4	81.6	81.6	82.5	83.0	83.5	84.0	
GE 200	26.6	49.2	53.7	57.6	67.3	69.7	73.3	78.1	79.5	81.2	82.7	84.5	84.5	85.4	85.9	86.4	86.9	
GE 100	26.6	49.2	53.7	57.6	67.3	69.7	73.3	78.1	79.8	81.6	83.4	85.6	85.6	86.5	87.0	87.5	88.0	
GE 0	26.6	49.2	53.7	57.6	67.3	69.7	73.3	78.1	79.8	81.6	83.4	85.6	85.6	86.5	87.0	87.5	88.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE PRECIPITATION
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																GE								
		1	GE	10	GE	5	GE	4	GE	3	2	1 1/2	GE	1 1/2	1	1/4	1					GE	3/4	5/8	1/2	5/16
NO	CEIL	1	13.2	20.1	21.7	22.8	24.3	24.8	26.5	28.3	28.7	29.7	30.2	30.3	30.6	31.0	31.2	31.8								
GE	20000	14.0	21.5	23.1	24.4	26.3	27.0	28.8	30.6	31.1	32.0	32.6	33.1	33.2	33.7	34.0	34.0	34.7								
GE	18000	14.1	21.6	23.2	24.8	26.8	27.5	29.4	31.2	31.6	32.6	33.1	33.2	33.7	34.0	34.0	34.5	35.3								
GE	16000	14.1	21.8	23.4	25.1	27.0	27.7	29.6	31.4	31.8	32.8	33.3	33.4	33.9	34.2	34.2	34.7	35.5								
GE	14000	14.2	22.2	23.8	25.4	27.4	28.2	30.1	32.0	32.5	33.7	34.2	34.3	34.7	35.2	35.8	36.7	37.5								
GE	12000	14.9	23.4	25.2	27.1	29.2	30.0	31.9	33.9	34.3	35.5	36.0	36.1	36.6	37.0	37.6	38.5									
GE	10000	16.7	26.0	28.0	30.1	32.3	33.0	34.9	37.0	37.4	38.7	39.2	39.4	39.8	40.2	41.2	42.0									
GE	9000	17.1	26.5	28.4	30.5	32.7	33.4	35.4	37.4	37.8	39.1	39.7	39.8	40.2	40.6	41.6	42.5									
GE	8000	18.5	28.3	30.2	32.5	34.8	35.7	38.0	40.3	40.9	42.5	43.2	43.3	43.8	44.2	45.2	46.0									
GE	7000	19.1	29.4	31.3	33.5	35.9	36.8	39.0	41.4	41.9	43.7	44.4	44.5	44.9	45.4	46.3	47.2									
GE	6000	19.8	30.6	32.6	34.8	37.4	38.3	40.6	43.0	43.5	45.3	46.0	46.1	46.6	47.1	48.1	48.9									
GE	5000	20.5	32.5	34.7	37.2	39.8	40.9	43.3	45.8	46.3	48.2	48.9	49.0	49.5	50.0	51.0	51.8									
GE	4500	22.0	34.3	36.9	39.4	41.9	43.0	45.6	48.1	48.6	50.4	51.2	51.4	51.8	52.4	53.3	54.2									
GE	4000	23.0	36.0	39.1	41.9	44.6	45.7	48.4	50.9	51.4	53.2	54.0	54.2	54.6	55.2	56.1	57.0									
GE	3500	23.7	37.3	40.6	43.4	46.2	47.3	50.1	52.6	53.1	54.9	55.7	55.9	56.3	56.9	57.8	58.7									
GE	3000	24.6	39.6	42.9	45.8	48.9	50.1	52.9	55.5	56.0	57.8	58.6	58.8	59.4	59.9	60.9	61.7									
GE	2500	24.6	39.7	43.3	46.2	49.4	50.8	53.5	56.2	56.8	58.6	59.4	59.6	60.1	60.6	61.6	62.5									
GE	2000	24.8	40.6	44.5	47.6	51.0	52.4	55.3	58.0	58.5	60.3	61.1	61.3	61.8	62.4	63.3	64.2									
GE	1800	24.8	40.9	44.7	47.8	51.2	52.6	55.6	58.3	58.8	60.6	61.4	61.6	62.2	62.7	63.7	64.5									
GE	1500	24.8	41.2	45.1	48.3	51.9	53.4	56.5	59.2	59.8	61.6	62.4	62.6	63.1	63.7	64.7	65.6									
GE	1200	24.8	41.5	45.5	48.9	52.7	54.2	57.4	60.3	60.9	62.8	63.5	63.8	64.3	64.8	65.9	66.8									
GE	1000	25.2	42.3	46.3	49.8	53.7	55.3	58.6	61.5	62.0	64.0	64.7	64.9	65.5	66.0	67.1	68.0									
GE	900	25.3	42.5	46.6	50.1	54.1	55.7	59.2	62.2	62.7	64.6	65.4	65.6	66.1	66.7	67.7	68.6									
GE	800	25.3	42.5	46.9	50.8	54.8	56.5	60.1	63.2	63.8	65.7	66.5	66.7	67.2	67.7	68.8	69.7									
GE	700	25.3	42.5	47.1	51.0	55.5	57.1	61.1	64.5	65.1	67.0	67.7	68.0	68.5	69.1	70.3	71.2									
GE	600	25.4	42.8	47.4	51.3	56.2	58.0	62.0	65.8	66.3	68.3	69.0	69.2	69.9	70.5	71.7	72.6									
GE	500	25.4	43.2	48.1	52.3	57.5	59.4	64.0	68.2	69.1	71.3	72.2	72.4	73.2	74.0	75.3	76.1									
GE	400	25.4	43.3	48.3	52.5	58.7	60.5	65.7	70.6	71.8	74.2	75.3	75.5	76.8	77.5	79.0	80.4									
GE	300	25.4	43.4	48.4	52.7	59.4	61.5	67.1	73.7	76.0	79.1	80.9	81.1	82.8	84.4	86.0	87.7									
GE	200	25.4	43.4	48.4	52.7	59.4	61.5	67.3	74.5	77.2	81.2	83.1	83.5	85.9	88.0	90.3	92.9									
GE	100	25.4	43.4	48.4	52.7	59.4	61.5	67.3	74.5	77.3	81.4	83.5	84.1	86.9	90.1	93.8	99.5									
GE	0	25.4	43.4	48.4	52.7	59.4	61.5	67.3	74.5	77.3	81.4	83.5	84.1	86.9	90.1	93.8	100.0									

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING IN FEET		VISIBILITY IN STATUTE MILES																
		1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO	CEIL	14.3	21.6	24.0	25.3	26.9	27.5	29.0	30.0	30.2	30.8	30.8	30.9	31.2	31.4	31.4	31.6	
GE	20000	15.2	23.5	26.1	27.8	30.0	30.6	32.3	33.3	33.5	34.1	34.1	34.2	34.5	34.8	34.9	35.3	
GE	18000	15.6	24.0	26.6	28.3	30.5	31.3	32.8	33.9	34.1	34.6	34.6	34.7	35.1	35.4	35.5	35.8	
GE	16000	15.6	24.1	26.7	28.4	30.6	31.4	32.9	34.0	34.2	34.7	34.7	34.8	35.2	35.5	35.6	35.9	
GE	14000	16.5	25.2	27.7	29.7	32.2	32.9	34.7	36.0	36.2	36.8	36.8	36.9	37.2	37.6	37.7	38.1	
GE	12000	17.1	26.1	28.7	30.6	33.3	34.2	36.0	37.3	37.5	38.1	38.1	38.2	38.5	38.9	39.0	39.4	
GE	10000	19.2	29.1	32.0	34.2	37.1	38.0	39.8	41.2	41.4	41.9	41.9	42.0	42.4	42.8	42.9	43.2	
GE	9000	19.6	29.5	32.4	34.5	37.6	38.5	40.3	41.8	42.0	42.7	42.7	42.9	43.2	43.7	43.8	44.1	
GE	8000	21.2	31.3	34.4	36.7	39.9	40.9	42.9	44.7	44.9	45.7	45.7	45.9	46.2	46.7	46.8	47.1	
GE	7000	22.3	32.8	36.0	38.4	41.6	42.8	44.8	46.9	47.1	47.8	47.8	48.1	48.4	48.8	48.9	49.2	
GE	6000	22.7	33.5	37.1	39.5	42.8	44.0	46.0	48.3	48.6	49.5	49.5	49.7	50.0	50.4	50.5	50.9	
GE	5000	23.4	35.3	39.0	41.5	44.9	46.5	48.7	51.0	51.3	52.3	52.3	52.5	52.8	53.2	53.3	53.7	
GE	4500	24.2	36.5	40.2	42.9	46.6	48.1	50.3	52.6	52.9	54.0	54.0	54.2	54.5	54.9	55.1	55.4	
GE	4000	25.3	38.4	42.4	45.5	49.2	50.9	53.2	55.7	56.0	57.1	57.1	57.3	57.6	58.1	58.2	58.5	
GE	3500	25.8	39.4	43.3	46.5	50.2	51.9	54.6	57.1	57.4	58.5	58.5	58.7	59.0	59.5	59.6	59.9	
GE	3000	26.8	41.4	45.6	49.1	53.1	54.8	57.7	60.2	60.5	61.6	61.6	61.9	62.3	62.7	62.8	63.1	
GE	2500	27.0	41.9	46.2	49.8	53.9	55.7	58.6	61.1	61.4	62.5	62.5	62.8	63.1	63.5	63.7	64.0	
GE	2000	27.6	42.6	47.6	51.5	55.9	57.8	60.8	63.2	63.5	64.6	64.6	64.9	65.3	65.7	65.8	66.1	
GE	1800	27.6	42.8	47.6	51.5	55.9	57.8	60.9	63.3	63.7	64.7	64.7	65.1	65.4	65.8	65.9	66.2	
GE	1500	28.0	43.1	48.1	52.0	56.6	58.5	61.6	64.2	64.5	65.7	65.7	66.0	66.3	66.8	66.9	67.2	
GE	1200	28.1	43.5	48.6	52.6	58.1	60.0	63.3	66.0	66.3	67.5	67.5	67.8	68.3	68.7	68.8	69.1	
GE	1000	28.1	43.8	49.2	53.4	59.0	61.1	64.5	67.3	67.7	68.9	68.9	69.2	69.7	70.1	70.2	70.5	
GE	900	28.1	43.8	49.5	53.7	59.8	61.8	65.5	68.4	68.8	70.0	70.1	70.3	70.8	71.2	71.3	71.6	
GE	800	28.1	43.8	49.6	54.1	60.8	63.1	66.9	70.2	70.6	71.8	71.8	72.2	72.6	73.0	73.1	73.4	
GE	700	28.1	43.8	49.9	54.6	61.9	64.4	68.3	71.9	72.4	73.5	73.5	74.0	74.4	74.8	74.9	75.3	
GE	600	28.2	43.9	50.1	54.9	62.7	65.5	69.7	73.7	74.1	75.4	75.4	75.8	76.2	76.7	76.8	77.1	
GE	500	28.3	44.1	50.4	55.3	63.7	67.0	71.6	76.5	77.0	78.4	78.4	79.2	79.8	80.2	80.3	80.6	
GE	400	28.3	44.2	50.5	55.5	64.1	68.1	73.1	80.3	81.0	83.9	83.9	85.2	85.8	86.6	86.8	87.1	
GE	300	28.3	44.2	50.5	55.5	64.2	68.4	73.8	81.6	83.3	86.6	86.6	89.2	90.3	91.4	91.8	92.2	
GE	200	28.3	44.2	50.5	55.5	64.3	68.5	73.9	82.3	84.1	88.0	88.0	90.6	93.5	94.9	96.6	97.3	
GE	100	28.3	44.2	50.5	55.5	64.3	68.5	73.9	82.3	84.1	88.0	88.0	90.6	94.3	96.0	98.1	100.0	
GE	0	28.3	44.2	50.5	55.5	64.3	68.5	73.9	82.3	84.1	88.0	88.0	90.6	94.3	96.0	98.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING	VISIBILITY IN STATUTE MILES
.....	

[illegible][illegible][illegible]

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2

[illegible][illegible][illegible][illegible][illegible][illegible]

.....

[illegible]

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2

[illegible][illegible][illegible]

GE	65.0	58.0	65.2	75.7	79.5	83.0	85.2	85.5	86.1	86.1	86.2	86.2	86.2
GE	65.0	58.0	65.2	75.7	79.5	83.0	85.2	85.5	86.1	86.1	86.2	86.2	86.2

[illegible]

GE	300	34.6	51.0	58.6	66.1	78.1	83.7	89.1	95.4	96.6	97.7	98.4	98.5	99.0	99.1	99.1
GE	300	34.6	51.0	58.6	66.1	78.1	83.7	89.1	95.4	96.6	97.7	98.4	98.5	99.0	99.1	99.1

	100	34.6	51.0	59.6	66.1	79.1	83.7	89.1	95.4	96.6	97.7	98.7	98.8	99.8	99.8	100.0	100.0
3E	100	34.6	51.0	59.6	66.1	79.1	83.7	89.1	95.4	96.6	97.7	98.7	98.8	99.8	99.8	100.0	100.0

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 930

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 78-87				
IN	F	GE																MONTH: JAN				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	HOURS(LST): 1500-1700				
F		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	HOURS(LST): 1500-1700				
NO CEIL		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	HOURS(LST): 1500-1700				
GE	20000	23.0	34.6	38.7	41.7	44.7	44.7	44.7	45.5	45.9	45.9	45.9	45.9	46.0	46.3	46.3	46.3	46.3	46.1	46.1	46.2	46.2
GE	18000	23.2	34.8	39.0	42.0	44.5	44.5	44.5	45.4	45.9	45.9	45.9	45.9	46.0	46.3	46.3	46.3	46.3	46.6	46.6	46.7	46.7
GE	16000	23.3	34.9	39.1	42.2	44.6	44.6	44.6	45.5	46.0	46.0	46.0	46.0	46.1	46.4	46.4	46.4	46.4	46.7	46.7	46.8	46.8
GE	14000	23.5	35.5	39.9	42.9	46.3	46.3	46.3	47.2	47.8	48.3	48.3	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.6	48.6	
GE	12000	24.3	36.6	41.3	44.3	47.7	47.7	47.7	48.6	49.2	49.7	49.7	49.7	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.0	
GE	10000	25.3	37.6	42.7	46.0	50.7	50.7	50.7	50.9	51.7	52.3	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.6	52.6	52.6	
GE	9000	25.6	38.0	43.2	46.9	50.9	50.9	50.9	51.7	52.6	53.1	53.1	53.1	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.4	
GE	8000	28.2	41.7	47.6	51.4	56.1	56.1	56.1	57.3	58.2	58.9	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	
GE	7000	28.3	42.0	48.0	51.9	56.8	56.8	56.8	57.2	58.6	60.3	60.3	60.3	60.5	60.6	60.6	60.6	60.6	60.8	60.8	60.8	
GE	6000	28.7	42.6	48.5	52.6	57.4	57.4	57.4	58.4	60.4	61.4	61.4	61.4	61.8	62.0	62.0	62.0	62.0	62.2	62.2	62.2	
GE	5000	29.5	43.7	50.0	54.4	60.4	60.4	60.4	62.2	63.2	64.3	64.3	64.3	64.7	64.9	64.9	64.9	64.9	65.1	65.1	65.1	
GE	4500	30.4	45.2	51.5	55.9	62.3	62.3	62.3	64.0	65.2	66.2	66.2	66.2	66.7	66.9	66.9	66.9	66.9	67.0	67.0	67.0	
GE	4000	31.9	47.3	53.8	58.2	64.5	64.5	64.5	66.2	67.4	68.5	68.5	68.5	68.9	69.1	69.1	69.1	69.1	69.2	69.2	69.2	
GE	3500	32.6	48.3	54.9	59.5	65.9	65.9	65.9	67.8	69.0	70.1	70.1	70.1	70.5	70.8	70.8	70.8	70.8	70.9	70.9	70.9	
GE	3000	34.1	50.5	57.8	62.9	69.5	69.5	69.5	71.7	73.3	74.5	74.5	74.5	75.1	75.3	75.3	75.3	75.3	75.4	75.4	75.4	
GE	2500	34.2	51.0	58.6	63.9	70.5	70.5	70.5	72.8	74.4	75.9	75.9	75.9	76.6	76.8	76.8	76.8	76.8	76.9	76.9	76.9	
GE	2000	34.6	51.9	59.6	64.9	71.8	71.8	71.8	74.2	76.1	77.8	77.8	77.8	78.6	78.8	78.8	78.8	78.8	78.9	78.9	78.9	
GE	1800	34.6	52.0	59.7	65.2	72.2	72.2	72.2	74.5	76.5	78.2	78.2	78.2	78.9	79.1	79.1	79.1	79.1	79.2	79.2	79.2	
GE	1500	34.6	52.3	60.0	65.7	73.5	73.5	73.5	75.9	77.8	79.6	79.6	79.6	80.3	80.5	80.5	80.5	80.5	80.6	80.6	80.6	
GE	1200	34.6	53.2	61.1	66.9	74.9	74.9	74.9	77.7	80.0	81.8	81.8	81.8	82.6	82.8	82.8	82.8	82.8	82.9	82.9	82.9	
GE	1000	34.6	53.9	61.8	67.6	76.2	76.2	76.2	79.0	81.9	83.9	83.9	83.9	84.8	85.1	85.1	85.1	85.1	85.2	85.2	85.2	
GE	900	34.6	54.1	62.3	68.2	77.2	77.2	77.2	80.6	84.0	86.0	86.0	86.0	87.0	87.2	87.2	87.2	87.2	87.3	87.3	87.3	
GE	800	34.6	54.3	62.6	68.9	78.1	78.1	78.1	81.6	85.3	87.4	87.4	87.4	88.5	88.7	88.7	88.7	88.7	88.9	88.9	88.9	
GE	700	34.6	54.5	63.0	69.5	78.9	78.9	78.9	82.9	87.0	89.7	89.7	89.7	90.9	91.1	91.1	91.1	91.1	91.3	91.3	91.3	
GE	600	34.6	54.5	63.1	69.9	80.0	80.0	80.0	84.3	88.8	91.9	91.9	91.9	93.2	93.4	93.4	93.4	93.4	93.7	93.7	93.7	
GE	500	34.6	54.6	63.4	70.2	81.0	81.0	81.0	85.4	90.4	94.4	94.4	94.4	95.7	95.9	95.9	95.9	95.9	96.1	96.1	96.1	
GE	400	34.6	54.6	63.4	70.2	81.6	81.6	81.6	86.3	91.7	96.6	96.6	96.6	98.0	98.2	98.2	98.2	98.2	98.4	98.4	98.4	
GE	300	34.6	54.6	63.4	70.2	81.6	81.6	81.6	86.3	92.2	97.5	97.5	97.5	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	
GE	200	34.6	54.6	63.4	70.2	81.6	81.6	81.6	86.3	92.2	97.5	97.5	97.5	99.1	99.5	99.5	99.5	99.5	99.8	99.8	99.8	
GE	100	34.6	54.6	63.4	70.2	81.6	81.6	81.6	86.3	92.2	97.5	97.5	97.5	99.1	99.5	99.5	99.5	99.5	99.8	99.8	99.8	
GE	01	34.6	54.6	63.4	70.2	81.6	81.6	81.6	86.3	92.2	97.5	97.5	97.5	99.1	99.5	99.5	99.5	99.5	99.8	99.8	99.8	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(1ST): 1800-2000

CEILING IN FEET		VISIBILITY IN STATUTE MILES										PERIOD OF RECORD: 78-87									
		1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
NO	CEIL	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
GE	20000	24.0	36.0	38.8	40.8	43.3	44.3	44.7	45.5	45.7	45.9	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE	18000	24.0	36.0	38.8	40.8	43.3	44.3	44.7	45.5	45.7	45.9	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE	16000	24.3	36.6	39.5	41.4	44.0	44.9	45.4	46.1	46.3	46.6	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE	14000	24.8	37.3	40.3	42.3	45.2	46.2	47.3	48.1	48.3	48.5	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE	12000	25.5	38.5	41.5	43.4	46.3	47.4	48.5	49.4	49.6	49.8	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE	10000	27.2	41.4	44.5	46.7	49.9	51.3	52.4	53.2	53.4	53.8	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE	9000	27.2	41.9	45.1	47.2	50.5	51.9	53.0	53.9	54.2	54.6	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE	8000	29.8	46.6	49.4	51.5	55.6	57.0	58.4	59.2	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE	7000	29.8	46.1	49.5	51.7	55.9	57.4	58.9	59.8	60.1	60.5	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE	6000	30.3	47.1	50.4	52.8	57.1	58.7	60.2	61.3	61.6	62.0	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE	5000	31.1	48.2	51.7	54.3	59.1	61.2	62.7	63.8	64.1	64.5	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE	4500	32.0	49.8	53.5	56.1	61.1	63.2	64.7	65.8	66.1	66.6	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE	4000	33.2	51.4	55.3	58.1	63.3	65.5	67.0	68.1	68.4	68.8	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE	3500	33.2	52.5	56.5	59.2	64.6	66.9	68.5	69.6	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE	3000	34.5	55.1	59.6	62.6	68.2	70.4	72.2	73.2	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE	2500	34.5	55.5	60.1	63.2	69.0	71.3	73.0	74.2	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE	2000	34.7	56.6	61.6	64.8	71.5	73.8	75.6	76.8	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE	1800	34.7	56.7	61.7	64.9	71.6	73.9	75.8	77.0	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE	1500	34.7	56.9	62.4	65.6	72.4	74.6	76.7	77.8	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE	1200	34.7	57.8	63.5	67.3	74.3	76.6	79.0	80.2	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE	1000	34.7	58.6	64.5	68.4	75.7	78.9	80.9	82.0	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE	900	34.7	58.8	64.7	68.6	76.1	79.7	81.6	83.1	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE	800	34.7	59.0	65.1	69.1	76.7	79.7	82.6	84.2	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE	700	34.7	59.1	65.2	69.4	77.1	80.3	83.8	85.6	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE	600	34.7	59.1	65.2	70.3	78.9	82.6	86.3	88.4	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE	500	34.7	59.2	65.3	70.4	79.7	83.5	87.7	90.1	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE	400	34.7	59.2	65.4	70.6	80.8	84.9	89.8	92.9	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE	300	34.7	59.2	65.4	70.6	81.0	85.3	90.2	93.9	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE	200	34.7	59.2	65.4	70.6	81.0	85.3	90.5	94.8	96.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE	100	34.7	59.2	65.4	70.6	81.0	85.3	90.5	94.8	96.0	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	01	34.7	59.2	65.4	70.6	81.0	85.3	90.5	94.8	96.0	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): 2100-2300

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	6	5	GE	4	GE	3	2	1/2	GE	2	1	1/2	1	1/4	GE	1	3/4	5/8	1/2	5/16	GE	1/4	0
FEET	1	10	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	1	20.0	31.5	32.9	34.0	37.3	37.5	38.4	39.0	39.7	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	40.3	40.3
GE 20000	1	20.5	32.7	34.5	36.1	39.6	39.8	40.8	41.4	42.0	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 18000	1	20.8	33.2	35.1	36.7	40.1	40.3	41.3	41.9	42.6	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 16000	1	20.8	33.2	35.1	36.7	40.1	40.3	41.3	41.9	42.6	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 14000	1	21.4	34.6	36.5	38.2	41.7	41.9	43.2	43.9	44.5	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 12000	1	21.7	35.2	37.0	38.7	42.6	42.8	44.2	44.6	45.6	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000	1	24.5	39.5	41.4	43.9	48.1	48.4	49.8	50.4	51.2	51.7	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	51.8
GE 9000	1	24.8	40.0	41.9	44.4	48.6	49.0	50.4	51.1	51.8	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 8000	1	26.7	42.4	44.4	46.9	51.7	52.2	54.3	54.9	55.7	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	56.3	56.3
GE 7000	1	26.8	42.7	44.7	47.2	52.0	52.5	54.6	55.3	56.0	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	56.7	56.7
GE 6000	1	27.3	43.4	45.6	48.3	53.1	53.5	56.0	56.7	57.5	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	1	28.2	44.9	47.3	50.0	54.9	55.4	57.8	58.6	59.5	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4500	1	29.4	46.8	49.4	52.0	57.3	57.7	60.2	61.0	61.8	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 4000	1	30.4	48.7	51.5	54.3	59.7	60.1	62.6	63.3	64.2	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 3500	1	31.1	50.2	53.1	56.1	61.7	62.2	64.6	65.4	66.2	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 3000	1	32.2	53.8	56.9	59.9	65.7	66.1	68.6	69.4	70.2	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 2500	1	32.4	54.0	57.2	60.4	66.5	66.9	69.4	70.1	71.0	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 2000	1	32.6	54.7	58.2	61.5	68.7	68.7	71.2	72.0	72.9	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 1800	1	32.6	55.1	58.6	61.9	68.7	69.2	71.7	72.6	73.4	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 1500	1	32.6	55.2	59.6	62.9	69.8	70.3	72.9	73.8	74.6	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 1200	1	32.6	55.6	60.2	63.8	70.6	71.2	73.8	74.6	75.5	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 1000	1	32.6	56.8	61.4	65.1	72.0	72.7	75.7	76.6	77.4	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 900	1	32.6	57.5	62.2	66.1	73.4	74.1	77.3	78.2	79.0	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 800	1	32.6	57.7	62.6	67.3	74.7	75.6	78.8	79.8	80.6	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 700	1	32.6	57.8	62.9	67.5	75.2	76.3	79.6	80.8	81.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 600	1	32.6	57.8	63.1	68.0	75.9	77.2	80.9	82.0	82.9	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 500	1	32.6	57.8	63.1	68.4	77.0	79.2	83.4	84.6	85.5	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 400	1	32.6	57.8	63.1	68.6	78.0	80.5	85.2	86.6	87.5	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 300	1	32.6	57.8	63.1	68.6	78.2	80.8	85.8	87.8	88.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 200	1	32.6	57.8	63.1	68.6	78.2	80.8	85.9	88.3	89.5	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 100	1	32.6	57.8	63.1	68.6	78.2	80.8	85.9	88.3	89.5	90.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 0	1	32.6	57.8	63.1	68.6	78.2	80.8	85.9	88.3	89.5	90.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	1	GE	10	6	5	4	3	2	1/2	GE	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	17.6	26.9	28.9	30.3	32.8	33.3	34.2	35.2	35.5	35.9	36.1	36.1	36.4	36.5	36.7	37.1						
GE 20000	18.7	29.0	31.4	33.3	36.0	36.7	37.7	38.6	38.9	39.3	39.5	39.5	39.9	40.0	40.2	40.7						
GE 18000	18.9	29.3	31.7	33.6	36.4	37.0	38.0	39.0	39.3	39.7	39.9	39.9	40.3	40.4	40.6	41.1						
GE 16000	18.9	29.4	31.8	33.7	36.5	37.1	38.1	39.1	39.4	39.8	40.0	40.0	40.4	40.5	40.7	41.2						
GE 14000	19.4	30.3	32.8	34.8	37.8	38.5	39.8	40.8	41.1	41.6	41.7	41.8	42.1	42.3	42.6	43.0						
GE 12000	20.1	31.3	33.9	36.0	39.1	39.9	41.1	42.2	42.5	43.0	43.1	43.2	43.5	43.7	44.0	44.5						
GE 10000	22.0	34.1	36.8	39.3	42.7	43.5	44.8	46.0	46.3	46.8	47.0	47.0	47.4	47.5	47.9	48.4						
GE 9000	22.3	34.5	37.3	39.8	43.3	44.2	45.5	46.6	46.9	47.5	47.7	47.7	48.1	48.2	48.6	49.1						
GE 8000	24.2	37.2	40.1	42.8	46.9	47.8	49.4	50.7	51.1	51.7	51.9	51.9	52.3	52.5	52.8	53.4						
GE 7000	24.6	37.8	40.8	43.6	47.7	48.8	50.5	51.7	52.1	52.7	53.0	53.0	53.4	53.6	53.9	54.4						
GE 6000	25.0	38.7	41.7	44.6	48.8	49.9	51.6	53.0	53.4	54.1	54.3	54.4	54.8	54.9	55.3	55.8						
GE 5000	25.8	40.0	43.4	46.4	50.9	52.2	54.0	55.4	55.8	56.5	56.8	56.8	57.2	57.4	57.8	58.3						
GE 4500	27.0	41.8	45.3	48.3	53.1	54.3	56.1	57.6	58.0	58.7	59.0	59.1	59.4	59.6	60.0	60.5						
GE 4000	28.1	43.7	47.4	50.7	55.6	56.9	58.7	60.2	60.6	61.4	61.6	61.7	62.1	62.3	62.6	63.1						
GE 3500	28.6	44.9	48.7	52.0	57.1	58.4	60.4	61.9	62.3	63.1	63.3	63.4	63.8	64.0	64.3	64.8						
GE 3000	29.7	47.2	51.3	54.9	60.1	61.6	63.7	65.3	65.8	66.5	66.8	66.8	67.2	67.4	67.8	68.3						
GE 2500	29.8	47.6	51.9	55.6	61.0	62.5	64.6	66.2	66.7	67.5	67.7	67.8	68.2	68.4	68.7	69.2						
GE 2000	30.1	48.6	53.2	57.0	62.8	64.3	66.5	68.3	68.8	69.5	69.8	69.9	70.3	70.5	70.8	71.3						
GE 1800	30.1	48.8	53.4	57.3	63.1	64.6	66.9	68.6	69.1	69.9	70.2	70.2	70.6	70.8	71.2	71.7						
GE 1500	30.3	49.1	54.0	58.0	64.2	65.8	68.1	69.9	70.3	71.1	71.4	71.5	71.9	72.1	72.4	73.0						
GE 1200	30.3	49.9	55.0	59.2	65.7	67.4	69.9	71.7	72.2	73.0	73.3	73.4	73.8	74.0	74.3	74.9						
GE 1000	30.4	50.6	55.8	60.2	67.0	68.7	71.5	73.4	73.9	74.7	75.0	75.1	75.5	75.7	76.0	76.6						
GE 900	30.4	50.8	56.2	60.6	67.8	69.6	72.6	74.6	75.1	75.9	76.2	76.3	76.7	76.9	77.3	77.8						
GE 800	30.4	51.0	56.5	61.2	68.5	70.6	73.7	75.8	76.3	77.2	77.5	77.5	78.0	78.2	78.5	79.1						
GE 700	30.4	51.1	56.7	61.6	69.2	71.5	74.9	77.3	77.8	78.7	79.0	79.1	79.6	79.8	80.1	80.7						
GE 600	30.4	51.2	56.9	61.9	70.0	72.6	76.3	78.9	79.4	80.4	80.7	80.8	81.3	81.5	81.9	82.5						
GE 500	30.5	51.3	57.3	62.5	71.4	74.3	78.7	81.8	82.4	83.5	83.8	83.9	84.4	84.7	85.1	85.7						
GE 400	30.5	51.4	57.4	62.7	72.1	75.5	80.3	84.3	85.1	86.4	86.9	87.0	87.6	87.9	88.4	89.3						
GE 300	30.5	51.4	57.4	62.8	72.4	75.9	81.0	85.9	87.2	88.8	89.7	89.8	90.7	91.3	92.0	93.0						
GE 200	30.5	51.4	57.5	62.8	72.4	76.0	81.2	86.4	87.9	89.8	91.1	91.3	92.6	93.4	94.7	96.3						
GE 100	30.5	51.4	57.5	62.8	72.4	76.0	81.2	86.4	87.9	89.9	91.3	91.6	93.1	94.6	96.3	99.5						
GE 01	30.5	51.4	57.5	62.8	72.4	76.0	81.2	86.4	87.9	89.9	91.3	91.6	93.1	94.6	96.3	100.0						

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0000-0200

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1/2	GE	2	1	1/2	1	1/4	GE	1	3/4	GE	5/8	1/2	GE	5/16	1/4	GE	0
NO CEIL	1	41.4	49.4	51.2	51.6	54.5	54.8	55.3	55.8	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 20000	1	44.8	54.1	56.1	57.0	59.9	60.4	60.9	61.3	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 18000	1	45.0	54.4	56.4	57.2	60.2	60.6	61.1	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 16000	1	45.0	54.4	56.4	57.2	60.2	60.6	61.1	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 14000	1	45.7	56.0	58.3	59.1	62.4	62.9	63.5	63.9	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 12000	1	47.0	57.4	59.9	61.0	64.3	64.8	65.4	66.2	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 10000	1	50.0	61.6	64.4	65.7	69.0	69.5	70.2	71.0	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 9000	1	50.0	62.1	64.7	66.0	69.3	69.7	70.4	71.3	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 8000	1	52.8	65.6	68.6	70.0	73.5	74.0	74.7	75.5	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 7000	1	53.7	66.7	69.9	71.4	74.9	75.4	76.1	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 6000	1	55.4	68.7	72.2	73.8	77.3	77.8	78.5	79.3	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 5000	1	56.1	70.2	73.8	75.4	79.1	79.6	80.3	81.1	81.2	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4500	1	57.7	73.5	77.1	78.7	82.4	82.9	83.6	84.4	84.5	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 4000	1	59.1	75.9	79.6	81.4	85.3	85.8	86.5	87.4	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 3500	1	59.8	76.8	80.7	82.6	86.5	87.0	87.7	88.5	88.7	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 3000	1	60.3	79.0	83.1	85.2	89.1	89.6	90.3	91.1	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2500	1	60.3	79.1	83.6	85.7	89.7	90.2	90.9	92.0	92.1	92.1	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2000	1	60.4	79.9	84.8	87.1	91.4	91.8	92.6	93.9	94.0	94.0	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1800	1	60.4	79.9	84.8	87.1	91.4	91.8	92.6	93.9	94.0	94.0	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1500	1	60.5	80.1	85.0	87.4	91.6	92.1	92.8	94.1	94.2	94.2	94.2	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200	1	60.8	80.6	85.8	88.4	92.9	93.4	94.2	95.5	95.6	95.6	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	1	61.1	81.0	86.2	88.8	93.4	93.9	95.0	96.3	96.5	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 900	1	61.1	81.0	86.2	88.8	93.6	94.1	95.3	96.6	96.7	96.7	96.7	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	1	61.1	81.0	86.2	88.8	93.6	94.1	95.3	96.6	96.7	96.7	96.7	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	1	61.1	81.0	86.2	88.8	93.7	94.2	95.4	96.7	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 600	1	61.1	81.0	86.2	88.8	93.7	94.2	95.4	96.7	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	1	61.1	81.0	86.2	88.8	93.7	94.2	95.4	96.9	97.0	97.0	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	1	61.1	81.0	86.2	88.8	93.7	94.2	95.4	96.9	97.2	97.2	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 300	1	61.1	81.0	86.2	88.8	93.7	94.2	95.4	96.9	97.2	97.2	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 200	1	61.1	81.0	86.2	88.8	93.7	94.2	95.4	96.9	97.2	97.2	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 100	1	61.1	81.0	86.2	88.8	93.7	94.2	95.4	97.0	97.3	97.3	97.3	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE	0	61.1	81.0	86.2	88.8	93.7	94.2	95.4	97.0	97.3	97.3	97.3	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS: 846

VERSUS VISIBILITY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): Q300-0500

PERIOD OF RECORD: 78-87

.....

3/4	5/8	1/2	5/16	1/4	0
70	30	30	30	30	30

.....

٢٠
٢١
٢٢
٢٣
٢٤
٢٥
٢٦
٢٧
٢٨
٢٩
٣٠

4.19	5.19	6.19	7.19	8.19
9.19	10.19	11.19	12.19	1.20
2.20	3.20	4.20	5.20	6.20
7.20	8.20	9.20	10.20	11.20
12.20	1.21	2.21	3.21	4.21
5.21	6.21	7.21	8.21	9.21
10.21	11.21	12.21	1.22	2.22
3.22	4.22	5.22	6.22	7.22
8.22	9.22	10.22	11.22	12.22
1.23	2.23	3.23	4.23	5.23
6.23	7.23	8.23	9.23	10.23
11.23	12.23	1.24	2.24	3.24
4.24	5.24	6.24	7.24	8.24
9.24	10.24	11.24	12.24	1.25
2.25	3.25	4.25	5.25	6.25
7.25	8.25	9.25	10.25	11.25
12.25	1.26	2.26	3.26	4.26
5.26	6.26	7.26	8.26	9.26
10.26	11.26	12.26	1.27	2.27
3.27	4.27	5.27	6.27	7.27
8.27	9.27	10.27	11.27	12.27
1.28	2.28	3.28	4.28	5.28
6.28	7.28	8.28	9.28	10.28
11.28	12.28	1.29	2.29	3.29
4.29	5.29	6.29	7.29	8.29
9.29	10.29	11.29	12.29	1.30
2.30	3.30	4.30	5.30	6.30
7.30	8.30	9.30	10.30	11.30
12.30	1.31	2.31	3.31	4.31
5.31	6.31	7.31	8.31	9.31
10.31	11.31	12.31	1.32	2.32
3.32	4.32	5.32	6.32	7.32
8.32	9.32	10.32	11.32	12.32
1.33	2.33	3.33	4.33	5.33
6.33	7.33	8.33	9.33	10.33
11.33	12.33	1.34	2.34	3.34
4.34	5.34	6.34	7.34	8.34
9.34	10.34	11.34	12.34	1.35
2.35	3.35	4.35	5.35	6.35
7.35	8.35	9.35	10.35	11.35
12.35	1.36	2.36	3.36	4.36
5.36	6.36	7.36	8.36	9.36
10.36	11.36	12.36	1.37	2.37
3.37	4.37	5.37	6.37	7.37
8.37	9.37	10.37	11.37	12.37
1.38	2.38	3.38	4.38	5.38
6.38	7.38	8.38	9.38	10.38
11.38	12.38	1.39	2.39	3.39
4.39	5.39	6.39	7.39	8.39
9.39	10.39	11.39	12.39	1.40
2.40	3.40	4.40	5.40	6.40
7.40	8.40	9.40	10.40	11.40
12.40	1.41	2.41	3.41	4.41
5.41	6.41	7.41	8.41	9.41
10.41	11.41	12.41	1.42	2.42
3.42	4.42	5.42	6.42	7.42
8.42	9.42	10.42	11.42	12.42
1.43	2.43	3.43	4.43	5.43
6.43	7.43	8.43	9.43	10.43
11.43	12.43	1.44	2.44	3.44
4.44	5.44	6.44	7.44	8.44
9.44	10.44	11.44	12.44	1.45
2.45	3.45	4.45	5.45	6.45
7.45	8.45	9.45	10.45	11.45
12.45	1.46	2.46	3.46	4.46
5.46	6.46	7.46	8.46	9.46
10.46	11.46	12.46	1.47	2.47
3.47	4.47	5.47	6.47	7.47
8.47	9.47	10.47	11.47	12.47
1.48	2.48	3.48	4.48	5.48
6.48				

63.5	63.5	63.5	63.8	63.9

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

[illegible]

73.3	73.3	73.3	73.6	73.8

	82.3	82.3	82.3	82.6	82.7
82.3	82.3	82.3	82.3	82.6	82.7

86.9	86.9	86.9	87.2	87.4

92.7	92.7	92.7	92.7	93.0	93.1

	94.3	94.3	94.7	94.8

[illegible]

96.3	96.3	96.7	96.8

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

[illegible]

91.0	91.2	91.3	91.3	98.0	99.2
97.0	97.2	97.6	97.8	98.3	100.0

C
 C
 C
 P
 G
 G
 C
 P
 G
 V
 P
 C
 C
 P
 C
 C
 P
 G

.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(1ST): 0900-1100

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	2	3	4	5	6	10	FEET	1	GE	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	GE
NO	CEIL	1	33.2	43.4	45.7	47.3	48.3	48.6	48.8	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.5
GE	20000	40.0	52.0	55.4	57.6	59.1	59.3	59.3	60.0	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6
GE	18000	40.8	53.0	56.4	58.5	60.0	60.3	60.3	61.0	61.2	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.7
GE	16000	41.0	53.2	56.6	58.7	60.3	60.5	60.5	61.2	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.9
GE	14000	42.6	55.0	58.4	60.5	62.1	62.5	63.4	63.4	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.2	64.2
GE	12000	45.7	58.2	61.7	63.8	65.6	66.1	67.0	67.4	67.4	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	68.0	68.0
GE	10000	48.0	61.2	64.9	67.3	69.3	69.7	70.7	71.0	71.0	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.7	71.7
GE	9000	48.0	61.2	64.9	67.3	69.3	69.7	70.7	71.0	71.0	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.7	71.7
GE	8000	49.4	63.4	67.1	69.6	71.7	72.2	73.3	73.6	73.6	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.3	74.3
GE	7000	49.6	63.6	67.4	70.0	72.1	72.6	73.6	74.0	74.0	74.2	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.7	74.7
GE	6000	50.2	65.0	69.0	71.6	73.8	74.2	75.3	75.7	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.4	76.4
GE	5000	51.5	67.1	71.3	73.9	76.0	76.6	77.7	78.0	78.0	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.7	78.7
GE	4500	52.8	68.8	73.2	76.2	78.8	79.4	80.6	81.0	81.0	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.7	81.7
GE	4000	54.3	71.4	76.6	80.1	82.9	83.5	84.6	85.0	85.0	85.2	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.7	85.7
GE	3500	55.2	72.7	78.0	81.7	84.4	85.0	86.2	86.5	86.5	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.2	87.2
GE	3000	56.6	74.6	79.9	83.9	87.2	87.8	89.0	89.6	89.6	89.8	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.3	90.3
GE	2500	56.7	74.7	80.1	84.2	87.5	88.1	89.2	89.8	89.8	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.5	90.5
GE	2000	57.4	75.9	81.6	85.6	88.9	89.6	90.8	91.4	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	92.0	92.0	92.0	92.1	92.1
GE	1800	57.4	76.1	81.8	85.8	89.4	90.1	91.3	91.8	91.8	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.6	92.6
GE	1500	57.4	76.2	81.9	85.9	89.7	90.4	91.7	92.3	92.3	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	93.0	93.0
GE	1200	57.7	76.5	82.3	86.3	90.2	91.0	92.4	93.0	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.7	93.7
GE	1000	57.7	76.7	82.7	87.0	91.3	92.2	93.7	94.3	94.3	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	95.0	95.0
GE	900	57.7	76.8	82.9	87.1	91.4	92.4	94.0	94.7	94.7	94.9	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.4
GE	800	57.7	77.0	83.1	87.4	91.6	92.7	94.2	94.9	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.6	95.6
GE	700	57.7	77.1	83.3	87.6	91.8	92.9	94.8	95.5	95.5	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.2	96.2
GE	600	57.7	77.3	83.6	87.8	92.4	93.9	95.7	96.5	96.5	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.5	97.5
GE	500	57.7	77.4	83.8	88.1	92.8	94.2	96.1	96.9	96.9	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	98.0	98.0
GE	400	57.7	77.4	83.8	88.1	92.8	94.2	96.1	96.9	96.9	97.5	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3
GE	300	57.7	77.4	83.8	88.1	92.8	94.2	96.1	96.9	96.9	97.6	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.6	98.6	98.6	98.9	98.9
GE	200	57.7	77.4	83.8	88.1	92.8	94.2	96.1	96.9	96.9	97.6	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	99.5	99.5
GE	100	57.7	77.4	83.8	88.1	92.8	94.2	96.1	96.9	96.9	97.6	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.8	98.8	98.8	99.9	99.9
GE	0	57.7	77.4	83.8	88.1	92.9	94.2	96.1	96.9	96.9	97.6	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.8	98.8	98.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4			
NO CEIL	1	34.5	42.6	45.4	46.9	48.8	49.1	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 20000	1	42.3	51.9	55.9	58.2	60.5	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 18000	1	43.1	52.7	56.7	59.1	61.5	61.9	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 16000	1	43.3	52.8	56.9	59.2	61.6	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	1	44.2	54.3	58.3	61.0	63.6	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 12000	1	47.6	58.3	62.5	65.5	68.1	69.0	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 10000	1	50.1	61.0	65.2	68.2	70.9	71.9	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 9000	1	50.5	61.3	65.6	68.6	71.5	72.5	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 8000	1	53.8	64.9	69.1	72.2	75.2	76.1	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 7000	1	53.9	65.0	69.4	72.5	75.4	76.5	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 6000	1	54.6	66.0	70.3	73.4	76.4	77.4	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 5000	1	55.6	67.3	71.7	74.8	77.9	79.0	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4500	1	55.9	67.6	72.5	76.0	79.2	80.3	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	1	58.0	71.9	77.3	81.2	85.2	86.4	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 3500	1	58.6	72.8	78.3	82.3	86.6	87.8	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	1	60.8	76.0	81.4	85.6	90.5	91.7	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500	1	60.9	76.2	81.7	85.8	90.8	92.0	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	1	61.9	77.7	83.5	87.7	93.4	94.6	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	1	62.1	77.8	83.6	87.8	93.5	94.7	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	1	62.3	78.1	84.3	88.5	94.4	95.7	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1200	1	62.3	78.3	84.5	88.8	94.9	96.2	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	1	62.5	78.5	84.8	89.1	95.3	96.6	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	1	62.6	78.7	85.0	89.4	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	1	62.6	78.7	85.1	89.5	95.6	96.9	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	1	62.6	78.8	85.2	89.6	95.9	97.2	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	1	62.8	79.0	85.3	89.7	96.2	97.6	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	1	62.8	79.0	85.3	89.7	96.2	97.6	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	1	62.8	79.0	85.3	89.7	96.2	97.6	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	1	62.8	79.0	85.3	89.7	96.2	97.6	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	1	62.8	79.0	85.3	89.7	96.2	97.6	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	1	62.8	79.0	85.3	89.7	96.2	97.6	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	1	62.8	79.0	85.3	89.7	96.2	97.6	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 846

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA
PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(1ST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																	
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	10	6	5	4	3	2	1 1/2	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4
		1	10	6	5	4	3	2	1 1/2	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4
NO	CEIL	35.7	42.6	44.8	44.8	46.0	46.9	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE	20000	42.7	51.5	54.1	55.9	57.6	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE	18000	43.3	52.1	54.7	56.5	58.4	59.0	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE	16000	43.4	52.4	55.0	56.7	58.9	59.5	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE	14000	46.1	56.3	59.0	61.0	63.5	64.1	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE	12000	48.7	60.0	62.8	64.9	67.5	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE	10000	54.4	66.5	69.3	71.5	74.6	75.2	75.8	76.1	76.1	76.1	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE	9000	54.6	66.8	69.5	71.7	75.1	75.7	76.2	76.6	76.6	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE	8000	56.0	68.9	71.6	74.2	77.7	78.3	78.8	79.2	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE	7000	56.7	69.6	72.3	74.9	78.4	79.0	79.6	79.9	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE	6000	57.7	71.2	73.9	76.5	80.4	81.0	81.6	81.9	81.9	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE	5000	59.0	72.6	75.3	78.0	82.0	82.6	83.2	83.9	83.9	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE	4500	59.8	73.6	76.6	79.4	83.6	84.2	84.8	85.5	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE	4000	61.2	75.5	79.0	82.2	86.8	87.4	87.9	88.7	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE	3500	61.6	76.2	79.9	83.2	88.1	88.7	89.4	90.1	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE	3000	62.5	79.3	83.1	86.9	92.0	92.9	93.5	94.2	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE	2500	62.9	80.0	83.9	87.7	92.9	93.9	94.4	95.2	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE	2000	63.2	80.5	84.4	88.3	93.6	94.6	95.2	95.9	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	1800	63.2	80.6	84.5	88.4	93.7	94.7	95.3	96.0	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE	1500	63.5	81.2	85.6	89.7	95.3	96.2	96.9	97.6	97.6	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE	1200	63.5	81.4	85.9	90.3	96.0	96.9	97.8	98.6	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	1000	63.7	81.8	86.3	90.7	96.5	97.4	98.2	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	900	63.7	81.8	86.3	90.7	96.6	97.5	98.3	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	800	63.7	81.8	86.5	90.9	96.8	97.8	98.6	99.4	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	700	63.7	81.8	86.6	91.0	96.9	97.9	98.7	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	600	63.7	81.8	86.6	91.0	96.9	97.9	98.7	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	500	63.7	81.8	86.6	91.0	96.9	97.9	98.7	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	400	63.7	81.8	86.6	91.0	96.9	97.9	98.7	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	300	63.7	81.8	86.6	91.0	96.9	97.9	98.7	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	200	63.7	81.8	86.6	91.0	96.9	97.9	98.7	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	100	63.7	81.8	86.6	91.0	96.9	97.9	98.7	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	0	63.7	81.8	86.6	91.0	96.9	97.9	98.7	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(1ST): 2100-2300

CEILING IN FEET		VISIBILITY IN STATUTE MILES																			
1	10	GE	6	5	4	3	2	1 1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	GE	0
NO	CEIL	1	41.8	51.2	51.9	53.2	55.3	55.4	56.0	56.1	56.1	56.1	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE	20000	45.9	55.8	56.7	58.7	61.1	61.2	61.8	62.1	62.1	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE	18000	46.1	56.3	57.2	59.2	61.6	61.7	62.3	62.5	62.5	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE	16000	46.1	56.5	57.4	59.5	61.8	61.9	62.5	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE	14000	47.6	59.0	60.0	62.4	65.6	65.7	66.7	67.0	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE	12000	48.5	60.6	61.7	64.4	67.6	67.8	68.8	69.1	69.1	69.1	69.1	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE	10000	53.1	66.7	67.7	70.9	74.6	74.8	75.8	76.1	76.1	76.1	76.1	76.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE	9000	53.3	67.0	68.1	71.3	74.9	75.3	76.2	76.6	76.6	76.6	76.6	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE	8000	55.2	69.5	71.3	74.5	78.3	78.6	79.6	79.9	79.9	79.9	79.9	79.9	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE	7000	56.1	70.7	72.5	75.7	79.4	79.8	80.7	81.1	81.1	81.1	81.1	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	6000	56.9	71.5	73.3	76.5	80.3	80.6	81.6	81.9	81.9	81.9	81.9	81.9	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE	5000	59.2	74.8	76.6	79.8	83.7	84.2	85.1	85.5	85.5	85.5	85.5	85.5	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE	4500	59.8	76.6	78.4	81.6	85.5	85.9	86.9	87.2	87.2	87.2	87.2	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE	4000	60.2	78.7	80.9	84.0	87.9	88.4	89.4	89.7	89.7	89.7	89.7	89.7	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE	3500	61.0	79.6	81.7	85.1	89.0	89.5	90.4	91.1	91.1	91.1	91.1	91.1	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE	3000	61.2	80.7	83.2	86.9	90.9	91.4	92.3	93.0	93.0	93.0	93.0	93.0	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE	2500	61.5	81.0	83.7	87.4	91.4	91.8	92.8	93.5	93.5	93.5	93.5	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE	2000	61.8	81.8	84.5	88.4	92.4	92.9	93.9	94.6	94.6	94.6	94.6	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE	1800	61.8	81.8	84.5	88.4	92.4	92.9	93.9	94.6	94.6	94.6	94.6	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE	1500	61.9	82.2	84.9	88.9	93.0	93.5	94.6	95.4	95.4	95.4	95.4	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	1200	61.9	83.0	85.8	90.1	94.3	94.8	95.9	96.7	96.7	96.7	96.7	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE	1000	61.9	83.0	85.8	90.1	95.3	95.7	97.2	98.0	98.0	98.0	98.0	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	900	61.9	83.0	85.8	90.2	95.4	95.9	97.3	98.1	98.1	98.1	98.1	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	800	61.9	83.1	85.9	90.3	95.5	96.0	97.4	98.2	98.2	98.2	98.2	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	700	61.9	83.2	86.1	90.4	95.6	96.1	97.5	98.3	98.3	98.3	98.3	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	600	61.9	83.2	86.1	90.4	95.6	96.1	97.5	98.3	98.3	98.3	98.3	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	500	61.9	83.3	86.2	90.5	95.7	96.2	97.6	98.5	98.5	98.5	98.5	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	400	61.9	83.3	86.2	90.5	95.9	96.6	98.0	98.8	98.8	98.8	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	300	61.9	83.3	86.2	90.5	95.9	96.6	98.0	98.8	98.8	98.8	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	200	61.9	83.3	86.2	90.5	95.9	96.6	98.0	98.8	98.8	98.8	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	100	61.9	83.3	86.2	90.5	95.9	96.6	98.0	98.8	98.8	98.8	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	0	61.9	83.3	86.2	90.5	95.9	96.6	98.0	98.8	98.8	98.8	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES														PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY			
IN FEET	10	1		2		3		4		5		6		7		8		9	
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	1	37.1	46.0	48.0	49.3	51.0	51.4	51.7	52.0	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.4	52.5
GE 20000	1	42.5	52.6	55.1	57.0	59.1	59.5	59.9	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.7
GE 18000	1	43.0	53.2	55.7	57.5	59.6	60.0	60.5	60.8	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.2	61.4
GE 16000	1	43.0	53.3	55.8	57.7	59.8	60.2	60.7	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4	61.6
GE 14000	1	44.4	55.5	58.1	60.1	62.5	63.0	63.6	63.9	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.4	64.5
GE 12000	1	46.4	58.0	60.7	62.9	65.4	66.0	66.6	67.0	67.1	67.2	67.2	67.3	67.3	67.4	67.4	67.5	67.5	67.6
GE 10000	1	50.1	62.7	65.5	67.9	70.6	71.3	72.0	72.5	72.6	72.7	72.7	72.9	72.9	72.9	72.9	73.1	73.2	73.2
GE 9000	1	52.2	62.9	65.7	68.1	70.9	71.6	72.3	72.8	72.9	73.0	73.0	73.2	73.2	73.2	73.2	73.4	73.5	73.5
GE 8000	1	52.2	65.5	68.5	71.0	74.0	74.6	75.4	75.9	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.5	76.6	76.6
GE 7000	1	52.8	66.1	69.2	71.8	74.7	75.4	76.1	76.6	76.7	76.9	76.9	77.0	77.1	77.1	77.1	77.2	77.4	77.4
GE 6000	1	53.8	67.5	70.7	73.3	76.4	77.0	77.8	78.3	78.4	78.6	78.6	78.7	78.7	78.7	78.8	78.9	79.0	79.0
GE 5000	1	55.2	69.7	73.1	75.7	78.8	79.6	80.3	80.9	81.0	81.2	81.2	81.3	81.4	81.4	81.4	81.5	81.7	81.7
GE 4500	1	56.1	71.6	75.1	77.9	81.2	81.9	82.8	83.3	83.5	83.7	83.7	83.8	83.8	83.8	83.9	84.0	84.1	84.1
GE 4000	1	57.6	74.2	78.1	81.2	84.7	85.5	86.3	86.9	87.0	87.2	87.2	87.4	87.4	87.4	87.4	87.5	87.7	87.7
GE 3500	1	58.2	75.2	79.2	82.4	86.1	86.8	87.6	88.3	88.4	88.6	88.6	88.7	88.7	88.8	88.8	88.9	89.1	89.1
GE 3000	1	59.1	77.4	81.5	85.1	88.9	89.8	90.6	91.3	91.4	91.6	91.6	91.8	91.8	91.8	91.8	92.0	92.1	92.1
GE 2500	1	59.3	77.9	82.2	85.8	89.7	90.5	91.4	92.1	92.2	92.5	92.5	92.6	92.6	92.6	92.7	92.8	92.9	92.9
GE 2000	1	59.9	78.9	83.4	87.1	91.2	92.1	93.0	93.7	93.8	94.1	94.1	94.2	94.2	94.3	94.3	94.4	94.5	94.5
GE 1800	1	59.9	79.1	83.6	87.3	91.4	92.3	93.2	93.9	94.0	94.3	94.3	94.4	94.4	94.5	94.5	94.6	94.8	94.8
GE 1500	1	60.0	79.5	84.2	88.0	92.3	93.2	94.2	95.0	95.1	95.4	95.4	95.5	95.5	95.6	95.6	95.7	95.8	95.8
GE 1200	1	60.1	79.9	84.7	88.6	93.0	94.0	95.0	95.8	95.9	96.2	96.2	96.4	96.4	96.4	96.4	96.5	96.7	96.7
GE 1000	1	60.3	80.1	85.0	89.0	93.6	94.6	95.8	96.6	96.7	97.0	97.0	97.1	97.1	97.2	97.2	97.3	97.5	97.5
GE 900	1	60.3	80.1	85.0	89.0	93.8	94.8	95.9	96.8	96.9	97.2	97.2	97.3	97.3	97.4	97.4	97.5	97.7	97.7
GE 800	1	60.3	80.2	85.1	89.1	93.9	94.9	96.1	96.9	97.0	97.3	97.3	97.5	97.5	97.5	97.5	97.7	97.8	97.8
GE 700	1	60.3	80.2	85.2	89.3	94.1	95.1	96.3	97.2	97.3	97.7	97.7	97.8	97.8	97.8	97.8	98.0	98.1	98.1
GE 600	1	60.3	80.3	85.3	89.3	94.2	95.3	96.5	97.4	97.6	97.9	97.9	98.0	98.1	98.1	98.1	98.2	98.4	98.4
GE 500	1	60.3	80.4	85.4	89.4	94.3	95.3	96.6	97.6	97.7	98.1	98.1	98.2	98.3	98.3	98.3	98.4	98.6	98.6
GE 400	1	60.3	80.4	85.4	89.4	94.4	95.4	96.7	97.7	97.9	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.9	98.9
GE 300	1	60.3	80.4	85.4	89.4	94.4	95.4	96.7	97.7	98.0	98.3	98.3	98.5	98.6	98.6	98.7	98.9	99.2	99.2
GE 200	1	60.3	80.4	85.4	89.4	94.4	95.4	96.7	97.7	98.0	98.3	98.3	98.6	98.6	98.7	98.8	98.9	99.1	99.6
GE 100	1	60.3	80.4	85.4	89.4	94.4	95.4	96.7	97.8	98.0	98.3	98.3	98.6	98.6	98.7	98.8	99.0	99.3	100.0
GE 0	1	60.3	80.4	85.4	89.4	94.4	95.4	96.7	97.8	98.0	98.3	98.3	98.6	98.6	98.7	98.8	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GE	20000	53.2	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE	18000	53.2	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE	16000	53.2	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE	14000	54.3	62.4	63.4	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE	12000	56.5	64.7	65.8	66.6	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	10000	59.9	68.8	70.0	70.8	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE	9000	60.0	68.9	70.1	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE	8000	61.7	71.2	72.4	73.2	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE	7000	62.2	71.8	73.0	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE	6000	62.6	73.0	74.2	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE	5000	64.9	76.6	78.1	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE	4500	68.0	81.3	83.1	84.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE	4000	69.0	83.1	85.1	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	3500	69.8	85.1	87.0	88.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE	3000	72.0	88.7	91.1	92.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE	2500	72.4	89.2	91.7	93.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE	2000	72.8	90.2	92.8	94.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE	1800	73.0	90.4	93.1	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE	1500	73.0	90.6	93.7	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE	1200	73.1	90.8	93.6	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE	1000	73.2	91.0	94.0	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE	900	73.2	91.2	94.2	96.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE	800	73.2	91.4	94.4	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE	700	73.2	91.7	94.8	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	600	73.2	91.8	95.1	97.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	500	73.2	91.8	95.1	97.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	400	73.2	91.9	95.2	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	300	73.2	91.9	95.2	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	200	73.2	91.9	95.2	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	100	73.2	91.9	95.2	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	0	73.2	91.9	95.2	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY			
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
GE	20000	48.1	55.1	56.5	57.5	58.0	58.3	58.5	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.1	60.2	60.3	60.4	60.5	60.6
GE	18000	48.1	55.1	56.5	57.5	58.0	58.3	58.5	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.1	60.2	60.3	60.4	60.5	60.6
GE	16000	48.9	55.9	57.3	58.4	58.6	58.9	59.0	59.2	59.4	59.6	59.8	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8
GE	14000	49.6	57.0	58.4	59.5	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4
GE	12000	52.0	59.7	61.1	62.2	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1
GE	10000	54.6	62.7	64.3	65.4	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3
GE	9000	54.6	62.7	64.3	65.4	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3
GE	8000	56.8	65.7	67.5	68.7	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9
GE	7000	57.4	66.5	68.3	69.6	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7
GE	6000	58.7	68.4	70.3	71.7	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9
GE	5000	61.2	71.0	73.1	74.5	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8
GE	4500	63.5	74.2	76.6	78.1	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3
GE	4000	65.4	77.1	79.8	81.4	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1
GE	3500	66.0	78.7	81.7	83.3	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1
GE	3000	68.1	81.7	85.3	86.9	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0
GE	2500	68.7	82.4	85.9	87.5	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9
GE	2000	69.2	84.5	88.1	89.7	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2
GE	1800	69.2	84.5	88.1	89.7	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2
GE	1500	69.5	85.5	89.6	91.6	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3
GE	1200	70.0	86.5	90.9	93.0	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
GE	1000	70.1	86.8	91.2	93.3	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3
GE	900	70.1	87.5	92.2	94.3	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4
GE	800	70.1	87.6	92.3	94.5	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7
GE	700	70.1	87.7	92.4	94.6	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8
GE	600	70.1	87.7	92.4	94.6	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8
GE	500	70.2	87.8	92.6	94.9	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2
GE	400	70.2	87.8	92.6	94.9	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2
GE	300	70.2	87.8	92.6	94.9	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2
GE	200	70.2	87.8	92.6	94.9	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2
GE	100	70.2	87.8	92.6	94.9	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2
GE	0	70.2	87.8	92.6	94.9	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: WATHER AFB CA
PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
IN	FEET	1	GE	2	GE	3	GE	4	GE	5	GE	6	GE	7	GE	8	GE	9	GE	10	GE	11	GE	12	GE	13	GE	14	GE	15	GE	16	GE	17	GE	18	GE	19	GE	20	GE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NO	CEIL	1	43.5	48.2	53.2	58.2	63.2	68.2	73.2	78.2	83.2	88.2	93.2	98.2	103.2	108.2	113.2	118.2	123.2	128.2	133.2	138.2	143.2	148.2	153.2	158.2	163.2	168.2	173.2	178.2	183.2	188.2	193.2	198.2	203.2	208.2	213.2	218.2	223.2	228.2	233.2	238.2	243.2	248.2	253.2	258.2	263.2	268.2	273.2	278.2	283.2	288.2	293.2	298.2	303.2	308.2	313.2	318.2	323.2	328.2	333.2	338.2	343.2	348.2	353.2	358.2	363.2	368.2	373.2	378.2	383.2	388.2	393.2	398.2	403.2	408.2	413.2	418.2	423.2	428.2	433.2	438.2	443.2	448.2	453.2	458.2	463.2	468.2	473.2	478.2	483.2	488.2	493.2	498.2	503.2	508.2	513.2	518.2	523.2	528.2	533.2	538.2	543.2	548.2	553.2	558.2	563.2	568.2	573.2	578.2	583.2	588.2	593.2	598.2	603.2	608.2	613.2	618.2	623.2	628.2	633.2	638.2	643.2	648.2	653.2	658.2	663.2	668.2	673.2	678.2	683.2	688.2	693.2	698.2	703.2	708.2	713.2	718.2	723.2	728.2	733.2	738.2	743.2	748.2	753.2	758.2	763.2	768.2	773.2	778.2	783.2	788.2	793.2	798.2	803.2	808.2	813.2	818.2	823.2	828.2	833.2	838.2	843.2	848.2	853.2	858.2	863.2	868.2	873.2	878.2	883.2	888.2	893.2	898.2	903.2	908.2	913.2	918.2	923.2	928.2	933.2	938.2	943.2	948.2	953.2	958.2	963.2	968.2	973.2	978.2	983.2	988.2	993.2	998.2	1003.2	1008.2	1013.2	1018.2	1023.2	1028.2	1033.2	1038.2	1043.2	1048.2	1053.2	1058.2	1063.2	1068.2	1073.2	1078.2	1083.2	1088.2	1093.2	1098.2	1103.2	1108.2	1113.2	1118.2	1123.2	1128.2	1133.2	1138.2	1143.2	1148.2	1153.2	1158.2	1163.2	1168.2	1173.2	1178.2	1183.2	1188.2	1193.2	1198.2	1203.2	1208.2	1213.2	1218.2	1223.2	1228.2	1233.2	1238.2	1243.2	1248.2	1253.2	1258.2	1263.2	1268.2	1273.2	1278.2	1283.2	1288.2	1293.2	1298.2	1303.2	1308.2	1313.2	1318.2	1323.2	1328.2	1333.2	1338.2	1343.2	1348.2	1353.2	1358.2	1363.2	1368.2	1373.2	1378.2	1383.2	1388.2	1393.2	1398.2	1403.2	1408.2	1413.2	1418.2	1423.2	1428.2	1433.2	1438.2	1443.2	1448.2	1453.2	1458.2	1463.2	1468.2	1473.2	1478.2	1483.2	1488.2	1493.2	1498.2	1503.2	1508.2	1513.2	1518.2	1523.2	1528.2	1533.2	1538.2	1543.2	1548.2	1553.2	1558.2	1563.2	1568.2	1573.2	1578.2	1583.2	1588.2	1593.2	1598.2	1603.2	1608.2	1613.2	1618.2	1623.2	1628.2	1633.2	1638.2	1643.2	1648.2	1653.2	1658.2	1663.2	1668.2	1673.2	1678.2	1683.2	1688.2	1693.2	1698.2	1703.2	1708.2	1713.2	1718.2	1723.2	1728.2	1733.2	1738.2	1743.2	1748.2	1753.2	1758.2	1763.2	1768.2	1773.2	1778.2	1783.2	1788.2	1793.2	1798.2	1803.2	1808.2	1813.2	1818.2	1823.2	1828.2	1833.2	1838.2	1843.2	1848.2	1853.2	1858.2	1863.2	1868.2	1873.2	1878.2	1883.2	1888.2	1893.2	1898.2	1903.2	1908.2	1913.2	1918.2	1923.2	1928.2	1933.2	1938.2	1943.2	1948.2	1953.2	1958.2	1963.2	1968.2	1973.2	1978.2	1983.2	1988.2	1993.2	1998.2	2003.2	2008.2	2013.2	2018.2	2023.2	2028.2	2033.2	2038.2	2043.2	2048.2	2053.2	2058.2	2063.2	2068.2	2073.2	2078.2	2083.2	2088.2	2093.2	2098.2	2103.2	2108.2	2113.2	2118.2	2123.2	2128.2	2133.2	2138.2	2143.2	2148.2	2153.2	2158.2	2163.2	2168.2	2173.2	2178.2	2183.2	2188.2	2193.2	2198.2	2203.2	2208.2	2213.2	2218.2	2223.2	2228.2	2233.2	2238.2	2243.2	2248.2	2253.2	2258.2	2263.2	2268.2	2273.2	2278.2	2283.2	2288.2	2293.2	2298.2	2303.2	2308.2	2313.2	2318.2	2323.2	2328.2	2333.2	2338.2	2343.2	2348.2	2353.2	2358.2	2363.2	2368.2	2373.2	2378.2	2383.2	2388.2	2393.2	2398.2	2403.2	2408.2	2413.2	2418.2	2423.2	2428.2	2433.2	2438.2	2443.2	2448.2	2453.2	2458.2	2463.2	2468.2	2473.2	2478.2	2483.2	2488.2	2493.2	2498.2	2503.2	2508.2	2513.2	2518.2	2523.2	2528.2	2533.2	2538.2	2543.2	2548.2	2553.2	2558.2	2563.2	2568.2	2573.2	2578.2	2583.2	2588.2	2593.2	2598.2	2603.2	2608.2	2613.2	2618.2	2623.2	2628.2	2633.2	2638.2	2643.2	2648.2	2653.2	2658.2	2663.2	2668.2	2673.2	2678.2	2683.2	2688.2	2693.2	2698.2	2703.2	2708.2	2713.2	2718.2	2723.2	2728.2	2733.2	2738.2	2743.2	2748.2	2753.2	2758.2	2763.2	2768.2	2773.2	2778.2	2783.2	2788.2	2793.2	2798.2	2803.2	2808.2	2813.2	2818.2	2823.2	2828.2	2833.2	2838.2	2843.2	2848.2	2853.2	2858.2	2863.2	2868.2	2873.2	2878.2	2883.2	2888.2	2893.2	2898.2	2903.2	2908.2	2913.2	2918.2	2923.2	2928.2	2933.2	2938.2	2943.2	2948.2	2953.2	2958.2	2963.2	2968.2	2973.2	2978.2	2983.2	2988.2	2993.2	2998.2	3003.2	3008.2	3013.2	3018.2	3023.2	3028.2	3033.2	3038.2	3043.2	3048.2	3053.2	3058.2	3063.2	3068.2	3073.2	3078.2	3083.2	3088.2	3093.2	3098.2	3103.2	3108.2	3113.2	3118.2	3123.2	3128.2	3133.2	3138.2	3143.2	3148.2	3153.2	3158.2	3163.2	3168.2	3173.2	3178.2	3183.2	3188.2	3193.2	3198.2	3203.2	3208.2	3213.2	3218.2	3223.2	3228.2	3233.2	3238.2	3243.2	3248.2	3253.2	3258.2	3263.2	3268.2	3273.2	3278.2	3283.2	3288.2	3293.2	3298.2	3303.2	3308.2	3313.2	3318.2	3323.2	3328.2	3333.2	3338.2	3343.2	3348.2	3353.2	3358.2	3363.2	3368.2	3373.2	3378.2	3383.2	3388.2	3393.2	3398.2	3403.2	3408.2	3413.2	3418.2	3423.2	3428.2	3433.2	3438.2	3443.2	3448.2	3453.2	3458.2	3463.2	3468.2	3473.2	3478.2	3483.2	3488.2	3493.2	3498.2	3503.2	3508.2	3513.2	3518.2	3523.2	3528.2	3533.2	3538.2	3543.2	3548.2	3553.2	3558.2	3563.2	3568.2	3573.2	3578.2	3583.2	3588.2	3593.2	3598.2	3603.2	3608.2	3613.2	3618.2	3623.2	3628.2	3633.2	3638.2	3643.2	3648.2	3653.2	3658.2	3663.2	3668.2	3673.2	3678.2	3683.2	3688.2	3693.2	3698.2	3703.2	3708.2	3713.2	3718.2	3723.2	3728.2	3733.2	3738.2	3743.2	3748.2	3753.2	3758.2	3763.2	3768.2	3773.2	3778.2	3783.2	3788.2	3793.2	3798.2	3803.2	3808.2	3813.2	3818.2	3823.2	3828.2	3833.2	3838.2	3843.2	3848.2	3853.2	3858.2	3863.2	3868.2	3873.2	3878.2	3883.2	3888.2	3893.2	3898.2	3903.2	3908.2	3913.2	3918.2	3923.2	3928.2	3933.2	3938.2	3943.2	3948.2	3953.2	3958.2	3963.2	3968.2	3973.2	3978.2	3983.2	3988.2	3993.2	3998.2	4003.2	4008.2	4013.2	4018.2	4023.2	4028.2	4033.2	4038.2	4043.2	4048.2	4053.2	4058.2	4063.2	4068.2	4073.2	4078.2	4083.2	4088.2	4093.2	4098.2	4103.2	4108.2	4113.2	4118.2	4123.2	4128.2	4133.2	4138.2	4143.2	4148.2	4153.2	4158.2	4163.2	4168.2	4173.2	4178.2	4183.2	4188.2	4193.2	4198.2	4203.2	4208.2	4213.2	4218.2	4223.2	4228.2	4233.2	4238.2	4243.2	4248.2	4253.2	4258.2	4263.2	4268.2	4273.2	4278.2	4283.2	4288.2	4293.2	4298.2	4303.2	4308.2	4313.2	4318.2	4323.2	4328.2	4333.2	4338.2	4343.2	4348.2	4353.2	4358.2	4363.2	4368.2	4373.2	4378.2	4383.2	4388.2	4393.2	4398.2	4403.2	4408.2	4413.2	4418.2	4423.2	4428.2	4433.2	4438.2	4443.2	4448.2	4453.2	4458.2	4463.2	4468.2	4473.2	4478.2	4483.2	4488.2	4493.2	4498.2	4503.2	4508.2	4513.2	4518.2	4523.2	4528.2	4533.2	4538.2	4543.2	4548.2	4553.2	4558.2	4563.2	4568.2	4573.2	4578.2	4583.2	4588.2	4593.2	4598.2	4603.2	4608.2	4613.2	4618.2	4623.2	4628.2	4633.2	4638.2	4643.2	4648.2	4653.2	4658.2	4663.2	4668.2	4673.2	4678.2	4683.2	4688.2	4693.2	4698.2	4703.2	4708.2	4713.2	4718.2	4723.2	4728.2	4733.2	4738.2	4743.2	4748.2	4753.2	4758.2	4763.2	4768.2	4773.2	4778.2	4783.2	4788.2	4793.2	4798.2	4803.2	4808.2	4813.2	4818.2	4823.2	4828.2	4833.2	4838.2	4843.2	4848.2	4853.2	4858.2	4863.2	4868.2	4873.2	4878.2	4883.2	4888.2	4893.2	4898.2	4903.2	4908.2	4913.2	4918.2	4923.2	4928.2	4933.2	4938.2	4943.2	4948.2	4953.2	4958.2	4963.2	4968.2	4973.2	4978.2	4983.2	4988.2	4993.2	4998.2	5003.2	5008.2	5013.2	5018.2	5023.2	5028.2	5033.2	5038.2	5043.2	5048.2	5053.2	5058.2	5063.2	5068.2	5073.2	5078.2	5083.2	5088.2	5093.2	5098.2	5103.2	5108.2	5113.2	5118.2	5123.2	5128.2	5133.2	5138.2	5143.2	5148.2	5153.2	5158.2	5163.2	5168.2	5173.2	5178.2	5183.2	5188.2	5193.2	5198.2	5203.2	5208.2	5213.2	5218.2	5223.2	5228.2	5233.2	5238.2	5243.2	5248.2	5253.2	5258.2	5263.2	5268.2	5273.2	5278.2	5283.2	5288.2	5293.2	5298.2	5303.2	5308.2	5313.2	5318.2	5323.2	5328.2	5333.2	5338.2	5343.2	5348.2	5353.2	5358.2	5363.2	5368.2	5373.2	5378.2	5383.2	5388.2	5393.2	5398.2	5403.2	5408.2	5413.2	5418.2	5423.2	5428.2	5433.2	5438.2	5443.2	5448.2	5453.2	5458.2	5463.2	5468.2	5473.2	5478.2	5483.2	5488.2	5493.2	5498.2	5503.2	5508.2	5513.2	5518.2	5523.2	5528.2	5533.2	5538.2	5543.2	5548.2	5553.2	5558.2	5563.2	5568.2	5573.2	5578.2	5583.2	5588.2	5593.2	5598.2	5603.2	5608.2	5613.2	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																	
IN	FEET	1	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0		
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE		
NO	CEIL	1	45.3	50.5	51.7	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2		
GE	20000	53.2	60.1	61.3	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1		
GE	18000	53.4	60.5	61.6	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4		
GE	16000	53.6	60.6	61.7	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5		
GE	14000	54.7	62.4	63.6	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7		
GE	12000	57.0	65.0	66.2	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2		
GE	10000	59.8	69.1	70.6	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9		
GE	9000	59.9	69.3	70.8	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1		
GE	8000	64.7	75.4	77.0	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4		
GE	7000	65.3	76.5	78.1	79.0	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8		
GE	6000	66.2	78.1	79.8	80.9	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9		
GE	5000	68.4	80.9	82.8	83.8	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8		
GE	4500	70.6	83.7	85.8	87.0	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1		
GE	4000	71.8	85.6	88.0	89.5	90.5	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9		
GE	3500	72.7	87.2	90.0	91.5	92.5	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9		
GE	3000	74.5	89.9	92.8	94.4	95.5	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1		
GE	2500	75.0	90.8	93.8	95.6	96.8	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4		
GE	2000	75.3	91.3	94.3	96.2	97.5	97.6	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4		
GE	1800	75.3	91.4	94.4	96.3	97.6	98.0	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5		
GE	1500	75.6	91.9	95.2	97.2	98.5	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4		
GE	1200	75.6	91.9	95.3	97.3	98.6	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5		
GE	1000	75.6	91.9	95.4	97.4	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE	900	75.6	91.9	95.4	97.4	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE	800	75.6	91.9	95.4	97.4	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE	700	75.6	91.9	95.4	97.4	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE	600	75.6	91.9	95.4	97.4	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE	500	75.6	92.0	95.5	97.5	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE	400	75.6	92.0	95.5	97.5	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE	300	75.6	92.0	95.5	97.5	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE	200	75.6	92.0	95.5	97.5	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE	100	75.6	92.0	95.5	97.5	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE	0	75.6	92.0	95.5	97.5	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 1800-2300

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	1 50.2	56.4	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 20000	55.9	63.8	64.4	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	65.2
GE 18000	56.0	64.0	64.6	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 16000	56.3	64.5	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 14000	57.9	66.5	67.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 12000	60.2	69.4	70.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 10000	63.2	74.2	75.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 9000	63.2	74.2	75.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 8000	66.5	78.1	79.6	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 7000	67.3	79.3	80.8	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 6000	68.7	81.1	82.7	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 5000	70.8	84.6	86.4	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 4500	73.6	88.5	90.6	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4000	74.4	89.9	92.0	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 3500	74.8	91.0	93.2	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	75.8	93.1	95.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	75.8	93.1	95.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	75.9	93.2	96.2	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	76.1	93.3	96.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	76.2	93.4	96.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	76.2	93.4	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	76.2	93.4	96.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	76.2	93.5	96.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	76.2	93.5	96.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	76.2	93.5	96.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	76.2	93.5	96.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	76.2	93.5	96.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	76.2	93.5	96.9	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	76.2	93.5	96.9	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	76.2	93.5	96.9	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	76.2	93.5	96.9	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	CI 76.2	93.5	96.9	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 927

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA										PERIOD OF RECORD: 78-87									
										MONTH: MAR HOURS(IST): 2100-2300									
CEILING										VISIBILITY IN STATUTE MILES									
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	1	10	6	5	4	3	2	1 1/2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	55.9	61.5	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 20000	1	59.4	65.7	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 18000	1	59.4	65.7	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 16000	1	59.5	65.8	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 14000	1	60.4	67.0	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 12000	1	62.4	69.1	69.7	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 10000	1	66.7	75.4	75.9	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 9000	1	66.8	75.5	76.1	76.8	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 8000	1	69.1	78.3	79.2	79.9	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 7000	1	69.9	79.4	80.3	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 6000	1	71.0	80.6	81.4	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 5000	1	73.2	83.6	84.7	85.7	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 4500	1	76.9	87.5	88.6	89.6	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4000	1	77.8	88.9	90.0	91.0	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3500	1	78.5	90.4	91.5	92.6	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	1	80.5	93.7	95.3	96.7	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	1	80.5	94.3	95.9	97.3	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	1	80.6	94.6	96.2	97.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	1	80.6	94.6	96.2	97.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	1	80.6	94.7	96.3	97.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	1	80.8	94.9	96.5	98.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	1	80.8	95.0	96.7	98.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	1	80.8	95.0	96.7	98.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	1	80.8	95.1	96.9	98.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	1	80.8	95.1	96.9	98.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	1	80.8	95.3	97.0	98.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1	80.8	95.3	97.0	98.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	80.8	95.3	97.0	98.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	80.8	95.3	97.0	98.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	80.8	95.3	97.0	98.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	80.8	95.3	97.0	98.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	80.8	95.3	97.0	98.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

Y OF OCCURRENCE OF CELLS FROM HOURLY OBSERVATIONS

-
-
-
-

GE 1/4

55.8

2.2

02.6 3

71.6

78.2

31.8

9. 88

•

96.6

998.2

98.5

9. 6

2

9.66

●

8.66

7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING
IN
FEET

1 10 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

VISIBILITY IN STATUTE MILES

1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL	1	70.6	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 20000	75.4	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 18000	75.8	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 16000	75.8	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 14000	77.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 12000	79.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 10000	82.0	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 9000	82.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 8000	84.4	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 7000	85.2	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 6000	86.3	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 5000	87.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 4500	89.8	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4000	90.2	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3500	90.7	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3000	91.2	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	91.2	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	91.8	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	91.8	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	91.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	91.8	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	91.8	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	91.8	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	91.8	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																GE			
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
GE	20000	73.3	76.7	77.3	77.4	77.6	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE	18000	73.6	76.9	77.6	77.7	77.8	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE	16000	73.9	77.2	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE	14000	75.1	78.4	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE	12000	77.3	80.7	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	10000	79.8	83.7	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE	9000	80.2	84.3	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE	8000	82.1	86.3	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE	7000	82.3	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE	6000	82.9	87.4	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE	5000	84.6	90.0	92.7	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE	4500	85.7	91.4	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE	4000	86.2	92.6	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE	3500	86.8	93.4	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE	3000	87.7	94.8	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE	2500	87.8	94.9	96.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	2000	88.0	95.1	96.6	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	1800	88.0	95.1	96.6	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	1500	88.1	95.4	96.9	97.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	1200	88.2	95.6	97.0	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	1000	88.2	95.6	97.0	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	900	88.2	95.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	800	88.3	95.9	97.3	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	700	88.6	96.2	97.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	600	88.6	96.2	97.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	500	88.6	96.2	97.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	400	88.6	96.2	97.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	300	88.6	96.2	97.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	200	88.6	96.2	97.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	100	88.6	96.2	97.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	0	88.6	96.2	97.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 900

1

PERIOD OF RECORD: 77-86

00-0800

.....

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1/2	GE	1	1/2	1	1/4	GE	3/4	5/8	1/2	5/16	1/4	GE	0
NO CEIL	1	60.6	65.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 20000	67.3	72.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 18000	67.4	72.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 16000	67.9	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 14000	69.3	74.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 12000	70.3	75.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 10000	73.8	79.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 9000	74.0	79.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 8000	75.3	81.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	76.6	82.2	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 6000	77.3	83.2	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 5000	78.7	84.9	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4500	79.9	86.7	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 4000	81.6	89.0	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 3500	82.6	90.0	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3000	85.1	93.3	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	85.4	94.0	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	86.1	94.8	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	86.2	94.9	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	86.8	95.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	87.0	96.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	87.0	96.4	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	87.0	96.4	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	87.0	96.7	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	87.0	96.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	87.0	96.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	87.0	96.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	87.0	96.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	87.0	96.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	87.0	96.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	87.0	96.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	87.0	96.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA
PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES															
		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
FEET	IN	58.4	61.7	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	
NO	CEIL	58.4	61.7	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	
	GE	20000	22000	23000	24000	25000	26000	27000	28000	29000	30000	31000	32000	33000	34000	35000	
	GE	18000	19000	20000	21000	22000	23000	24000	25000	26000	27000	28000	29000	30000	31000	32000	
	GE	16000	17000	18000	19000	20000	21000	22000	23000	24000	25000	26000	27000	28000	29000	30000	
	GE	14000	15000	16000	17000	18000	19000	20000	21000	22000	23000	24000	25000	26000	27000	28000	
	GE	12000	13000	14000	15000	16000	17000	18000	19000	20000	21000	22000	23000	24000	25000	26000	
	GE	10000	11000	12000	13000	14000	15000	16000	17000	18000	19000	20000	21000	22000	23000	24000	
	GE	9000	10000	11000	12000	13000	14000	15000	16000	17000	18000	19000	20000	21000	22000	23000	
	GE	8000	9000	10000	11000	12000	13000	14000	15000	16000	17000	18000	19000	20000	21000	22000	
	GE	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000	17000	18000	19000	20000	21000	
GE	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000	17000	18000	19000	20000	
	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000	17000	18000	19000	
	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000	17000	18000	
	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000	17000	
	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000	
	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	
	0	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	
	0	0	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	
	0	0	0	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	
	0	0	0	0	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO	CEIL	1	63.4	66.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE	20000	71.6	75.1	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE	18000	73.2	76.8	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE	16000	73.4	77.0	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE	14000	74.8	78.3	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE	12000	75.6	79.2	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE	10000	78.4	82.3	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE	9000	78.6	82.6	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE	8000	81.0	85.7	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE	7000	81.0	86.1	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE	6000	82.4	87.3	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE	5000	83.3	88.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE	4500	84.4	90.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE	4000	86.6	93.4	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE	3500	88.2	95.2	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE	3000	89.3	96.8	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	2500	89.4	96.9	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	2000	89.4	97.0	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	1800	89.7	97.2	98.9	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	1500	89.7	97.2	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1200	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	1000	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	900	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	800	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	700	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	600	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	500	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	400	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	300	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	200	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	100	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	GI	89.7	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	64.9	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	70.2	70.2
GE 20000	70.2	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 18000	70.7	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 16000	71.3	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 14000	73.1	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 12000	74.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 10000	78.4	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 9000	78.8	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 8000	81.2	88.2	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 7000	82.1	89.4	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 6000	82.6	90.1	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 5000	83.9	92.3	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4500	85.2	94.6	95.3	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4000	86.3	96.4	96.4	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3500	87.2	96.7	97.4	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	87.7	97.6	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	88.0	97.9	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	88.2	98.4	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	88.2	98.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES													GE 1/4	GE 5/16	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NO CEIL	70.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724035 STATION NAME: MATTER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	64.7	68.7	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 20000	70.7	75.1	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 18000	71.2	75.7	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 16000	71.5	76.0	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 14000	73.0	77.6	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 12000	74.6	79.2	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 10000	77.8	82.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 9000	78.1	83.1	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 8000	80.1	85.4	86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 7000	80.8	86.3	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 6000	81.6	87.3	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 5000	82.9	89.2	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 4500	84.2	90.9	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 4000	85.4	92.7	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3500	86.2	93.7	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3000	87.5	95.6	96.9	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	87.7	95.8	97.2	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	88.0	96.3	97.7	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	88.0	96.3	97.8	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	88.2	96.5	98.1	98.5	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	88.2	96.8	98.3	98.7	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	88.3	96.8	98.4	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	88.3	96.9	98.5	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	88.3	96.9	98.6	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	88.3	97.0	98.7	99.1	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	88.3	97.0	98.7	99.1	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	88.3	97.0	98.7	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	88.3	97.0	98.7	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	88.3	97.0	98.7	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	88.3	97.0	98.7	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	88.3	97.0	98.7	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	86.3	97.0	98.7	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAF/AFAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING

VISIBILITY IN STATUTE MILES

IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
FEET	1	10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0

NO CEIL	1	84.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2000	1	86.8	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1800	1	86.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1600	1	87.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1400	1	87.6	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1200	1	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1000	1	90.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 900	1	90.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 800	1	91.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	1	91.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	1	92.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 500	1	93.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 450	1	94.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	1	94.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 350	1	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	1	94.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 250	1	94.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	1	94.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 180	1	94.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 160	1	95.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 140	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 120	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 90	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 80	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 70	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 60	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 50	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 40	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 30	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	95.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	10	0	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	77.5	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 20000	61.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 18000	61.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 16000	61.6	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 14000	62.5	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 12000	63.7	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 10000	66.1	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 9000	66.1	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 8000	67.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 7000	67.5	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 6000	68.3	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 5000	69.1	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4500	69.8	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4000	70.2	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3500	70.2	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3000	70.4	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	70.8	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	71.3	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	71.4	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	71.9	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	72.6	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	72.7	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	72.7	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	72.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(1ST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES																	
IN FEET	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0			
NO CEIL	1 69.5	78.8	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9		
GE 20000	73.5	63.4	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5		
GE 18000	73.8	83.7	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7		
GE 16000	73.8	83.9	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9		
GE 14000	75.8	85.9	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0		
GE 12000	77.4	87.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0		
GE 10000	79.5	90.2	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4		
GE 9000	79.5	90.2	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4		
GE 8000	80.4	91.2	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4		
GE 7000	81.7	92.5	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7		
GE 6000	81.9	92.8	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0		
GE 5000	82.3	93.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5		
GE 4000	82.9	93.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2		
GE 3500	83.1	94.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6		
GE 3000	83.3	94.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0		
GE 2500	83.8	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7		
GE 2000	83.8	95.5	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9		
GE 1800	84.3	96.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4		
GE 1500	84.5	96.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6		
GE 1200	85.2	96.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4		
GE 1000	86.0	97.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE 900	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 800	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 700	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 600	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 500	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 400	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 300	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 200	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 100	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 50	86.3	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724635 STATION NAME: WATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
NO CELL	75.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 20000	79.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 18000	79.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 16000	81.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 14000	81.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 12000	84.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	84.2	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 8000	85.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 7000	85.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 6000	85.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 5000	87.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 4500	87.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4000	89.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	89.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3000	89.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	90.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	90.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	90.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	90.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
FEET	1	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	74.8	79.6	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 20000	80.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 18000	80.6	85.9	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 16000	80.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 14000	81.3	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 12000	82.4	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 10000	84.4	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 9000	84.6	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 8000	84.9	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 7000	84.9	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 6000	84.9	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 5000	86.1	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4500	87.6	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4000	89.7	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3500	90.3	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3000	91.2	98.3	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	91.3	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	91.5	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	91.5	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	91.5	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	91.6	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																			
IN	FEET	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NO CEIL	1	76.6	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 20000	1	84.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 18000	1	84.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 16000	1	84.9	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 14000	1	85.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 12000	1	86.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 10000	1	88.2	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 9000	1	88.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 8000	1	89.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 7000	1	90.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 6000	1	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 5000	1	91.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4500	1	92.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 4200	1	94.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	1	95.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	1	95.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	1	95.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	1	95.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	1	95.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	1	95.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	1	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	0	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 930

40-4133 513

MATHER AFB CALIFORNIA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS AND AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB 15 JUN 37
USAFETAC DC-87 042 F 1 4/2

3.4

UNCLASSIFIED

ML



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																HOURS			
IN	FEET	GE	1	GE	2	GE	3	GE	4	GE	5	GE	6	GE	7	GE	8	9	10	11	12
NO	CEIL	1	87.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE	20000	1	89.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE	18000	1	90.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE	16000	1	90.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE	14000	1	90.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE	12000	1	91.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE	10000	1	92.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE	9000	1	92.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE	8000	1	93.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	7000	1	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	6000	1	93.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE	5000	1	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	4500	1	94.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	4000	1	94.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE	3500	1	94.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	3000	1	94.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	2500	1	94.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	2000	1	95.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	1800	1	95.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1500	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	1	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	10	1	1 1/4	1 1/2	2	2 1/2	3
NO CEIL	86.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 20000	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 18000	89.4	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 16000	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 14000	91.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 12000	92.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 10000	94.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 9000	94.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 8000	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 7000	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 6000	95.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 5000	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4500	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4000	95.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	96.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	96.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	96.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	96.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	96.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	96.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	96.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	96.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	96.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	96.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	10	15	20	25	30	35	40	45	50	60
NO	CEIL	1	80.0	83.2	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE	20000	83.9	87.6	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE	18000	83.9	87.7	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE	16000	83.9	87.7	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE	14000	86.1	89.9	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE	12000	88.0	92.0	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE	10000	89.3	93.9	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE	9000	89.3	93.9	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE	8000	89.7	94.2	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE	7000	89.7	94.2	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE	6000	90.0	94.6	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE	5000	90.0	94.6	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE	4500	90.1	94.6	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE	4000	90.1	95.1	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	3500	90.1	95.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	3000	90.4	95.6	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE	2500	90.4	95.6	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE	2000	90.4	95.6	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE	1800	90.6	95.7	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	1500	90.9	96.0	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	1200	92.0	97.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	1000	92.7	97.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	900	92.8	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	800	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	93.3	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING
IN FEET VISIBILITY IN STATUTE MILES

	1	2	3	4	5	6	10	1/2	1	1/4	5/8	1/2	5/16	1/4	0
NO CEIL	70.6	80.9	81.9	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 20000	74.4	85.0	86.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 18000	74.6	85.1	86.1	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 16000	74.7	85.3	86.3	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 14000	77.0	87.7	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 12000	77.9	88.9	89.9	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 10000	79.8	91.1	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 9000	79.8	91.1	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 8000	80.4	91.9	93.0	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 7000	80.6	92.0	93.1	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 6000	81.1	92.6	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 5000	81.2	92.7	93.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4500	81.2	92.7	93.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	81.4	92.9	94.0	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3500	81.7	93.1	94.2	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3000	81.9	93.3	94.4	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	82.0	93.4	94.6	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	82.3	93.8	94.9	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	82.4	93.9	95.0	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	83.4	95.2	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	84.2	96.3	97.4	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	84.4	96.8	97.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	84.6	97.3	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	84.6	97.4	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	84.6	97.7	98.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	84.6	97.7	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	84.6	97.7	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.6	97.7	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.6	97.7	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.6	97.7	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.6	97.7	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	84.6	97.7	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	10	1	2	3	4	5	8	16	1/4	0
NO	CEIL	1	80.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE	20000	84.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE	18000	84.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE	16000	84.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE	14000	85.2	93.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE	12000	86.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE	10000	88.0	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	9000	88.0	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	8000	88.0	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	7000	88.1	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE	6000	88.4	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE	5000	88.7	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	4500	88.9	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	4000	89.0	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE	3500	89.0	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE	3000	89.9	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	2500	89.9	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE	2000	90.1	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	1800	90.2	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	1500	90.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1200	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	90.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	10	GE	6	5	4	3	2 1/2	GE	2	1 1/2	1 1/4	GE	1	3/4	5/8	GE	1/2	5/16	1/4	GE
NO CEIL	1	84.0	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 20000	1	89.1	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 18000	1	89.7	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 16000	1	89.8	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 14000	1	91.4	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 12000	1	91.6	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 10000	1	92.8	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 9000	1	92.8	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 8000	1	93.0	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 7000	1	93.0	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 6000	1	93.2	97.4	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 5000	1	93.2	97.4	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4500	1	93.6	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4000	1	94.2	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	1	94.3	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	1	94.7	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	1	94.7	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	1	94.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	1	94.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	94.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

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

V I S I B I L I T Y I N S T A T U T E M I L E S

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

.....
CEILING.....
VISIBILITY IN STATUTE MILES

[illegible]

	1	10	6	5	4	3	2	1 1/2	2	1 1/2	1	1 1/4	3/4	5/8	1/2	5/16	1/4	0
FEET	1	10	6	5	4	3	2	1 1/2	2	1 1/2	1	1 1/4	3/4	5/8	1/2	5/16	1/4	0

[illegible][illegible]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099

[illegible][illegible][illegible][illegible][illegible]

1.66 1.66 1.66 1.66 1.66 1.66 1.66 1.66 1.66 1.66 9.96 1008 39

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

.....

TOTAL NUMBER OF OBSERVATIONS: 900

006

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

CEILING	VISIBILITY IN STATUTE MILES
1000	3
800	2
600	1
400	1
200	1
100	1
50	1
25	1
15	1
10	1
5	1
0	1

[illegible]

	TOTAL NUMBER OF OBSERVATIONS:	900
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA
PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): ALL

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 7230

Y OF OCCURRENCE OF CELLULOSIS FROM HOURLY OBSERVATIONS

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

VISIBILITY IN STATUTE MILES

39 0

2.6

5.1

5.2

1.1

8-9

8.8

B.8

9

9.1.

9.5

• 9

5. 0

6.6

• •

• •

•

• •

0000

2

-
-
-

930

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES										PERIOD OF RECORD: 77-86									
	1	2	3	4	5	6	10	GE	GE	GE	1	1/4	1/2	3/4	5/8	1/2	5/16	1/4	GE	GE
NO CEIL	74.4	87.5	88.3	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 20000	76.8	89.9	90.6	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 18000	77.2	90.3	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 16000	77.2	90.3	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 14000	78.7	91.8	92.6	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 12000	79.8	93.2	94.0	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 10000	81.0	94.9	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 9000	81.0	94.9	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 8000	81.6	95.6	96.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	81.6	95.6	96.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 6000	81.6	95.6	96.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 5000	81.7	95.8	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4500	81.9	96.0	96.8	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4000	81.9	96.0	96.8	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3500	81.9	96.0	96.8	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3000	82.3	96.3	97.1	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	82.4	96.5	97.2	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	82.4	96.5	97.2	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	82.5	96.6	97.3	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	83.3	97.4	98.2	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	83.8	97.8	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	83.9	98.0	98.7	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	83.9	98.1	98.8	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	84.1	98.3	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	84.1	98.3	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	84.1	98.4	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	84.1	98.4	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.1	98.4	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.1	98.4	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.1	98.4	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.1	98.4	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	84.1	98.4	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING IN FEET	I	GE	10	6	5	4	3	2	1	VISIBILITY IN STATUTE MILES										GE	1/4	5/8	1/2	5/16	1/4	0
										2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16							
NO CEIL	I	84.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 20000	I	88.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 18000	I	88.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 16000	I	88.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 14000	I	89.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 12000	I	89.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 10000	I	90.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 9000	I	90.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 8000	I	91.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 7000	I	91.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 6000	I	91.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 5000	I	91.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	I	91.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	I	92.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3500	I	92.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	I	92.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	10	GE	6	5	4	3	2	1 1/2	1	1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE
NO CEIL	1	86.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 20000	1	91.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 18000	1	91.7	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 16000	1	91.7	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 14000	1	92.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 12000	1	92.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 10000	1	94.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 9000	1	94.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 8000	1	94.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 7000	1	94.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 6000	1	95.1	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	1	95.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	1	95.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	1	95.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	95.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING

VISIBILITY IN STATUTE MILES

IN	1	GE	6	5	4	3	2 1/2	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
FEET	10	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	1	91.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 20000	1	93.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 18000	1	94.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 16000	1	94.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 14000	1	95.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 12000	1	95.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 10000	1	96.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 9000	1	96.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 8000	1	97.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 7000	1	97.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 6000	1	97.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																						
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE			
FLEET	1	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0								
NO CEIL	1	86.2	91.0	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3			
GE 20000	1	89.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4			
GE 18000	1	89.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6			
GE 16000	1	89.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7			
GE 14000	1	90.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9			
GE 12000	1	91.3	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7			
GE 10000	1	92.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0			
GE 9000	1	92.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0			
GE 8000	1	93.0	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7			
GE 7000	1	93.0	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7			
GE 6000	1	93.1	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8			
GE 5000	1	93.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1			
GE 4500	1	93.3	98.8	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2			
GE 4000	1	93.4	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3			
GE 3500	1	93.5	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3			
GE 3000	1	93.6	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4			
GE 2500	1	93.7	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5			
GE 2000	1	93.7	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6			
GE 1800	1	93.8	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6			
GE 1500	1	93.9	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7			
GE 1200	1	94.0	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 1000	1	94.0	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 900	1	94.0	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 800	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 700	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 600	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 500	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 400	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 300	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 200	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 100	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
GE 0	1	94.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			

TOTAL NUMBER OF OBSERVATIONS: 7440

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING	VISIBILITY IN STATUTE MILES
1000	3
800	2
600	1
400	1
200	1
100	1
50	1
25	1
10	1
5	1
0	1

IM FEET	1	GE	5	GE	4	GE	3	GE	2	1 1/2	1	GE	1 1/4	GE	1	GE	3/4	GE	5/8	1/2	GE	5/16	GE	1/4	GE	0
NMO	CEL	1	02.2	90.3	95.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
GE	20000	63.1	91.7	91.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE	10000	83.2	91.5	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
GE	16000	83.2	91.5	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
GE	14000	84.7	93.2	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	
GE	12000	86.2	94.9	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
GE	10000	88.0	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE	9000	88.0	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE	8000	88.4	97.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE	7000	88.5	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE	6000	88.5	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE	5000	88.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	4500	88.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	4000	88.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	3500	88.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	3000	88.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	2500	88.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	2000	88.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	1800	88.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	1500	89.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE	1200	89.2	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE	1000	89.4	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE	900	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	800	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	700	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	600	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	500	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	400	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	300	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	200	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	100	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	0	89.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING
IN FEET 1 10 6 5 4 3 2 1/2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

VISIBILITY IN STATUTE MILES
GE GE GE GE GE GE GE GE GE GE GE GE GE GE GE GE GE

NO CEIL	1	68.9	83.5	87.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 20000	1	70.5	85.8	89.9	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 18000	1	70.9	86.1	90.2	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 16000	1	70.9	86.1	90.2	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 14000	1	71.9	87.4	91.5	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 12000	1	73.7	89.5	93.5	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 10000	1	75.4	91.3	95.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 9000	1	75.4	91.3	95.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 8000	1	75.7	91.6	95.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 7000	1	76.1	92.0	96.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 6000	1	76.1	92.0	96.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	1	76.1	92.0	96.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4500	1	76.1	92.0	96.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	1	76.1	92.0	96.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3500	1	76.2	92.2	96.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	1	76.5	92.4	96.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	1	76.5	92.4	96.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	1	76.7	92.6	96.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	1	76.7	92.7	96.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	1	76.9	92.9	97.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	1	77.1	93.4	97.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	1	77.2	93.8	98.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	1	77.2	93.8	98.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																			
	1	2	3	4	5	6	10	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	75.9	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 20000	79.0	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 18000	79.6	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 16000	79.6	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 14000	81.2	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 12000	82.9	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 10000	83.7	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 9000	83.7	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 8000	83.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 7000	83.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 6000	83.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	84.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	84.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	84.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	84.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	84.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	84.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	84.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	84.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	84.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	84.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	84.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	84.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	84.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	84.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	84.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	84.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	84.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTHS: AUG HOURS(1ST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES												PERCENTAGE FREQUENCY			
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	1	80.6	88.7	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 20000	1	85.5	93.9	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 18000	1	85.6	94.1	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 16000	1	85.7	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 14000	1	86.0	94.6	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 12000	1	88.2	96.9	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 10000	1	89.6	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 9000	1	89.7	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 8000	1	89.7	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 7000	1	89.7	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 6000	1	89.7	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 5000	1	89.9	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	1	89.9	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	90.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
IN FEET	10	1		2		3		4		5		6		7		8		9		10	
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	179.0	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 20000	84.9	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 18000	85.1	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 16000	85.1	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 14000	86.1	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 12000	88.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 10000	89.8	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 9000	90.0	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 8000	90.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 7000	90.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6000	90.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 5000	90.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	90.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	90.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	1	GE	2	GE	3	GE	4	GE	5	GE	6	GE	7	GE	8
1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10
NO	CEIL	1	81.7	89.0	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE	20000	86.5	94.0	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE	18000	86.6	94.1	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.6
GE	16000	86.6	94.1	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE	14000	87.0	94.9	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	12000	87.8	96.0	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE	10000	89.7	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	9000	89.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	8000	90.2	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	7000	90.2	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	6000	90.2	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	5000	90.5	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	4500	90.5	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	4000	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	3500	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	3000	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2500	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2000	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1500	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	90.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	10	GE	6	5	4	GE	3	2	1 1/2	GE	1 1/2	1	3/4	5/8	1/2
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO	CEIL	1	87.1	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE	20000	88.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	18000	89.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE	16000	89.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE	14000	89.1	96.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	12000	90.4	97.8	99.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	10000	91.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	9000	91.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	8000	92.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	7000	92.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	6000	92.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	5000	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	4500	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	4000	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	3500	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	3000	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2500	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2000	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1500	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	92.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING IN FEET	1	VISIBILITY IN STATUTE MILES												GE 10	10								
		GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 8	GE 9	GE 10										
NO CEIL	1	80.3	89.3	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 20000	83.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 18000	83.6	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 16000	83.6	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 14000	84.4	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 12000	86.0	95.8	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 10000	87.5	97.4	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 9000	87.5	97.4	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	87.8	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 7000	87.9	97.9	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 6000	87.9	97.9	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	88.1	98.2	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4500	88.1	98.2	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4000	88.2	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3500	88.2	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	88.3	98.3	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	88.3	98.3	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	88.3	98.3	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	88.3	98.4	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	88.4	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	88.5	98.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	88.5	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	88.5	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	88.5	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	88.5	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	88.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	88.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	88.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	88.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	1	10	GE	6	5	4	GE	3	2 1/2	GE	2	1 1/2	GE	1 1/4	1	3/4	GE	5/8	1/2	GE	5/16	1/4	GE	0
NO CEIL	83.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 20000	84.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 18000	84.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 16000	84.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 14000	84.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 12000	87.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 10000	89.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 9000	89.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 8000	90.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 7000	90.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 6000	90.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 5000	91.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	92.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	92.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3500	93.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	93.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	93.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	93.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	93.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	94.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	94.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

FEET	1	10	GE	6	5	4	3	2	1/2	GE	2	1	1/2	1	1/4	GE	3/4	5/8	GE	1/2	5/16	GE	1/4	GE	0
NO CEIL	79.3	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 20000	80.6	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 18000	80.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 16000	80.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 14000	81.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 12000	84.1	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 10000	85.8	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 9000	85.9	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 8000	86.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 7000	86.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 6000	87.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 5000	88.1	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4500	89.2	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4000	89.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3500	89.9	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3000	90.6	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	90.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	90.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	90.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	91.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	91.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	91.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	91.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	91.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	91.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	91.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	91.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	91.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	91.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	91.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	92.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	92.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724935 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: SEP HOURS(SLT): 0600-0800

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
FEET	1	10	10	10	10	10	10	10	10	10	10	10	10	10	0
NO CEIL	1	68.6	77.8	79.2	80.3	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 20000	1	70.3	79.8	81.2	82.3	82.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 18000	1	70.4	79.9	81.3	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 16000	1	70.6	80.0	81.4	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 14000	1	71.0	80.7	82.1	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 12000	1	72.8	82.6	84.2	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 10000	1	74.4	84.4	86.1	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 9000	1	74.6	84.6	86.2	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 8000	1	75.1	85.3	87.0	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 7000	1	75.3	85.6	87.2	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 6000	1	75.8	86.1	87.9	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 5000	1	76.0	86.3	88.2	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4500	1	76.9	87.4	89.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 4000	1	78.0	89.6	91.8	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	1	78.7	90.7	92.7	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3000	1	79.0	91.0	93.0	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2500	1	79.1	91.1	93.1	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2000	1	79.3	91.6	93.6	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1600	1	79.4	91.6	93.8	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	1	80.2	92.8	94.8	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	1	81.0	93.9	95.9	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	1	81.4	94.3	96.3	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	1	81.8	94.7	96.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	1	81.8	94.7	96.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	1	81.8	94.8	96.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	1	81.8	94.8	96.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	1	81.8	94.8	96.8	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	1	81.8	94.9	96.9	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	1	81.8	94.9	96.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	1	81.8	94.9	96.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	1	81.8	94.9	96.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	CI	81.8	94.9	96.9	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING IN FEET VISIBILITY IN STATUTE MILES

10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	73.9	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 20000	77.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 18000	77.1	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 16000	77.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 14000	77.9	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 12000	79.2	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 10000	81.2	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 9000	81.2	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 8000	81.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 7000	81.8	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 6000	82.4	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 5000	82.8	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4500	83.8	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4000	84.9	95.2	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3500	85.3	95.8	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3000	86.6	97.2	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	86.6	97.2	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	86.8	97.4	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	86.8	97.4	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	87.0	97.8	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	87.7	98.2	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	87.2	98.6	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	87.2	98.3	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	87.2	98.3	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	87.2	98.3	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	87.2	98.3	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	87.2	98.3	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	87.2	98.4	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	87.2	98.4	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	87.2	98.4	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	87.2	98.4	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	87.2	98.4	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: SEP HOURS: 1200-1400

CEILING VISIBILITY IN STATUTE MILES

CEILING IN FEET	1 10	GE	2 6	GE	3 5	GE	4 4	GE	5 3	GE	6 2	GE	7 1 1/2	GE	8 1	GE	9 3/4	GE	10 5/8	GE	11 1/2	GE	12 5/16	GE	13 1/4	GE	14 0
NO CEIL	74.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 20000	78.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 18000	79.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 16000	79.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 14000	79.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 12000	81.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 10000	83.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 9000	83.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 8000	83.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 7000	83.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 6000	84.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 5000	85.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4500	86.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 4000	87.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3500	88.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3000	89.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	89.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	89.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	89.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 0	89.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724435 STATION NAME: WATHER AFB CA

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

CEILING IN FEET VISIBILITY IN STATUTE MILES

10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1 61.0	83.0	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 20000	85.3	87.3	87.9	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 18000	85.4	87.6	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 16000	85.6	87.7	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 14000	86.7	88.8	89.3	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 12000	89.2	91.4	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 10000	91.0	94.6	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 9000	91.0	94.2	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 8000	91.7	95.0	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 7000	91.8	95.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 6000	92.2	95.7	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 5000	92.4	95.9	96.5	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4500	92.9	96.6	97.6	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	93.3	97.2	98.2	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	93.9	98.9	99.9	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	94.0	98.1	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	94.0	98.1	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	94.0	98.1	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	94.0	98.1	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	94.0	98.1	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
ATR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHEW AFB GA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 1800-2300

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	GF	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
FEET	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NO CEIL	1	00.9	85.3	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 20000	1	63.9	88.7	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 14000	1	63.9	88.7	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 16000	1	84.1	88.9	89.1	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 14000	1	84.9	89.7	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 12000	1	66.4	91.7	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 10000	1	68.1	93.7	93.9	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 9000	1	88.1	93.7	93.9	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 8000	1	89.2	95.4	95.7	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 7000	1	89.2	95.4	95.7	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 6000	1	69.6	96.1	96.3	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 5000	1	90.1	96.7	96.9	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4500	1	90.4	97.0	97.2	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4000	1	91.4	98.1	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	1	92.2	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	92.4	99.1	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA

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

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	1	10	6	5	4	3	2 1/2	GE	2 1/2	GE	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE
NO CELL	82.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 20000	84.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 18000	84.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 16000	84.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 14000	85.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 12000	86.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 10000	88.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 9000	88.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 8000	90.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 7000	90.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 6000	91.3	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 5000	92.1	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4500	92.2	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4000	92.6	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	93.0	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3000	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	93.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): ALL

VISIBILITY IN STATUTE MILES									
IN	1	GE	2	3	4	5	6	7	8
FEET	10	GE	10	GE	20	30	40	50	60
NO CEIL	1	78.1	83.5	83.8	83.9	84.0	84.0	84.0	84.0
GE 20000	1	80.6	86.3	86.6	86.7	86.8	86.8	86.8	86.8
GE 18000	1	80.7	86.5	86.8	86.9	87.0	87.0	87.0	87.0
GE 16000	1	80.8	86.6	86.9	87.0	87.1	87.1	87.1	87.1
GE 14000	1	81.5	87.3	87.6	87.8	87.9	87.9	87.9	87.9
GE 12000	1	83.4	89.5	89.9	90.0	90.1	90.1	90.1	90.1
GE 10000	1	85.2	91.6	92.0	92.2	92.3	92.3	92.3	92.3
GE 9000	1	85.3	91.7	92.1	92.3	92.4	92.4	92.4	92.4
GE 8000	1	86.3	92.9	93.3	93.6	93.7	93.8	93.8	93.8
GE 7000	1	86.3	93.0	93.4	93.7	93.8	93.8	93.9	93.9
GE 6000	1	86.8	93.7	94.1	94.4	94.5	94.6	94.6	94.6
GE 5000	1	87.3	94.2	94.8	95.1	95.2	95.3	95.3	95.3
GE 4500	1	88.0	95.1	95.6	96.0	96.1	96.2	96.3	96.3
GE 4000	1	88.7	96.0	96.6	97.0	97.1	97.2	97.3	97.3
GE 3500	1	89.4	96.8	97.3	97.7	97.9	98.0	98.1	98.1
GE 3000	1	89.9	97.4	98.0	98.4	98.6	98.7	98.8	98.8
GE 2500	1	89.9	97.4	98.0	98.4	98.6	98.7	98.8	98.8
GE 2000	1	89.9	97.5	98.2	98.6	98.8	98.9	98.9	98.9
GE 1800	1	90.0	97.6	98.2	98.6	98.8	98.9	99.0	99.0
GE 1500	1	90.3	97.9	98.6	99.0	99.2	99.3	99.4	99.4
GE 1200	1	90.5	98.2	98.8	99.3	99.5	99.5	99.7	99.7
GE 1000	1	90.5	98.3	98.9	99.3	99.6	99.6	99.7	99.7
GE 900	1	90.6	98.3	99.0	99.4	99.7	99.7	99.8	99.8
GE 800	1	90.6	98.3	99.0	99.4	99.7	99.7	99.8	99.8
GE 700	1	90.6	98.4	99.0	99.4	99.7	99.8	99.9	99.9
GE 600	1	90.6	98.4	99.0	99.4	99.7	99.8	99.9	99.9
GE 500	1	90.6	98.4	99.0	99.4	99.8	99.9	99.9	99.9
GE 400	1	90.6	98.4	99.0	99.5	99.8	99.9	99.9	99.9
GE 300	1	90.6	98.4	99.0	99.5	99.8	99.9	100.0	100.0
GE 200	1	90.6	98.4	99.0	99.5	99.8	99.9	100.0	100.0
GE 100	1	90.6	98.4	99.1	99.5	99.9	99.9	100.0	100.0
GE	0	90.6	98.4	99.1	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(IST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
FEET	IN	1		2		3		4		5		6		7		8		9		10	
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	1	59.7	78.1	83.0	80.5	81.3	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 20000	1	61.6	80.8	82.7	83.2	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 18000	1	61.8	81.0	82.9	83.4	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 16000	1	61.9	81.1	83.0	83.6	84.5	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 14000	1	62.5	81.6	83.5	84.3	85.1	85.1	85.1	85.1	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 12000	1	64.4	83.9	85.8	86.7	87.5	87.5	87.5	87.5	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 10000	1	66.0	85.8	87.7	88.7	89.6	89.6	89.6	89.6	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 9000	1	66.0	86.1	88.1	89.0	89.9	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 8000	1	67.4	87.7	89.7	90.6	91.5	91.5	91.5	91.5	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 7000	1	67.6	88.3	90.2	91.2	92.4	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 6000	1	68.8	89.5	91.4	92.4	93.5	93.5	93.5	93.5	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	1	69.1	90.1	92.2	93.1	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4500	1	69.8	90.9	93.0	94.0	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 4000	1	70.1	91.6	94.0	94.9	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	1	70.2	92.0	94.5	95.6	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3000	1	70.5	92.7	95.2	96.2	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	1	70.5	92.7	95.2	96.2	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	1	70.8	93.0	95.5	96.7	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	1	70.8	93.0	95.5	96.7	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	1	70.9	93.2	95.7	96.9	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	1	71.0	93.4	96.1	97.3	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	1	71.0	93.5	96.2	97.4	98.6	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	1	71.0	93.7	96.3	97.5	98.7	98.7	98.7	98.7	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	1	71.0	93.7	96.3	97.6	98.8	98.8	98.8	98.8	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	1	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	1	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	1	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	1	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	1	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	1	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	1	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	21	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	21	71.0	93.8	96.5	97.7	98.9	98.9	98.9	98.9	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 0300-0500

VISIBILITY IN STATUTE MILES									
CEILING	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2 1/2	2	1 1/2	1
NO CELL	1	59.4	76.2	78.3	79.8	81.6	81.8	82.3	82.4
GE 20000	1	63.6	78.6	80.6	82.2	84.0	84.2	84.6	84.7
GE 18000	1	60.9	78.9	81.0	82.5	84.3	84.5	84.9	85.1
GE 16000	1	61.1	79.4	81.4	82.9	84.7	85.2	85.6	85.7
GE 14000	1	61.5	79.8	81.8	83.3	85.2	85.6	86.0	86.1
GE 12000	1	62.8	81.1	83.1	84.9	86.8	87.2	87.6	87.7
GE 10000	1	65.5	83.8	86.0	87.8	89.7	90.1	90.5	90.6
GE 9000	1	65.8	84.2	86.5	88.3	90.1	90.5	91.0	91.1
GE 8000	1	66.5	85.1	87.3	89.1	91.0	91.4	91.8	91.9
GE 7000	1	66.8	85.4	87.6	89.5	91.6	92.0	92.5	92.6
GE 6000	1	67.3	86.0	88.5	90.3	92.5	92.9	93.3	93.4
GE 5000	1	67.6	86.5	88.9	90.8	92.9	93.3	93.8	93.9
GE 4500	1	68.0	86.8	89.2	91.1	93.2	93.7	94.1	94.2
GE 4000	1	68.2	87.1	89.7	91.5	93.7	94.1	94.5	94.6
GE 3500	1	68.2	87.1	89.7	91.6	93.8	94.2	94.6	94.7
GE 3000	1	68.9	88.1	90.9	92.8	95.1	95.6	96.0	96.1
GE 2500	1	68.9	88.3	91.1	93.0	95.3	95.8	96.2	96.3
GE 2000	1	69.2	88.8	91.8	93.8	96.1	96.7	97.2	97.3
GE 1800	1	69.2	88.8	91.8	93.8	96.1	96.7	97.2	97.3
GE 1500	1	69.4	89.0	92.0	94.0	96.6	97.2	97.7	97.8
GE 1200	1	69.4	89.4	92.4	94.3	97.0	97.7	98.3	98.4
GE 1000	1	69.5	89.5	92.6	94.5	97.2	98.0	98.5	98.6
GE 900	1	69.5	89.7	92.8	94.7	97.4	98.2	98.7	98.8
GE 800	1	69.6	89.8	92.9	94.8	97.5	98.3	98.8	98.9
GE 700	1	69.6	89.8	92.9	94.8	97.5	98.3	98.8	98.9
GE 600	1	69.6	89.8	92.9	94.8	97.5	98.3	98.8	98.9
GE 500	1	69.6	90.0	93.1	95.1	97.8	98.6	99.1	99.2
GE 400	1	69.6	90.0	93.1	95.1	97.8	98.6	99.1	99.2
GE 300	1	69.6	90.0	93.1	95.1	97.8	98.6	99.1	99.2
GE 200	1	69.6	90.0	93.1	95.1	97.8	98.6	99.1	99.2
GE 100	1	69.6	90.0	93.1	95.1	97.8	98.6	99.1	99.2
GE 0	1	69.6	90.0	93.1	95.1	97.8	98.6	99.1	99.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(151): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES															GE				
IN FEET	10	1		2		3		4		5		6		7		8		9		10	
		GE	10	GE	20	GE	30	GE	40	GE	50	GE	60	GE	70	GE	80	GE	90	GE	100
NO CEIL	1	44.8	61.3	66.8	70.6	74.0	74.7	74.9	75.6	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.1		
GE 20000	1	47.3	65.3	71.0	74.9	78.3	79.0	79.4	80.0	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.5		
GE 18000	1	47.5	65.6	71.3	75.3	78.6	79.4	79.7	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.8	80.9		
GE 16000	1	47.5	65.8	71.5	75.5	78.8	79.6	79.9	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.1		
GE 14000	1	48.6	67.3	73.0	77.1	80.6	81.4	81.7	82.4	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.9		
GE 12000	1	49.8	68.7	74.5	78.9	82.6	83.3	83.8	84.4	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.9		
GE 10000	1	52.6	71.9	78.0	82.5	86.1	86.9	87.5	88.2	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.7		
GE 9000	1	52.8	72.2	78.2	82.7	86.3	87.1	87.7	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.9		
GE 8000	1	53.5	73.2	79.2	83.9	87.5	88.3	88.9	89.6	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.1		
GE 7000	1	53.9	73.5	79.6	84.2	87.8	88.6	89.4	90.0	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.5		
GE 6000	1	54.3	74.1	80.2	84.9	88.6	89.4	90.1	90.9	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.4		
GE 5000	1	55.3	75.1	81.3	86.0	89.7	90.5	91.3	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.6		
GE 4500	1	55.8	75.7	81.9	86.7	90.3	91.2	91.9	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.2		
GE 4000	1	56.5	76.6	83.0	87.7	91.4	92.3	93.0	93.8	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.3		
GE 3500	1	56.6	76.7	83.1	87.8	91.5	92.4	93.1	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.4		
GE 3000	1	56.8	77.0	83.4	88.2	91.8	92.7	93.4	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.7		
GE 2500	1	56.8	77.0	83.5	88.3	91.9	92.8	93.5	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.8		
GE 2000	1	57.1	77.1	84.0	88.7	92.4	93.2	94.0	94.7	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.3		
GE 1800	1	57.1	77.6	84.2	88.9	92.6	93.4	94.2	94.9	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.5		
GE 1500	1	57.1	77.8	84.5	89.5	93.1	94.0	94.7	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	96.0		
GE 1200	1	57.3	78.8	85.7	90.9	94.6	95.5	96.3	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.6		
GE 1000	1	57.5	79.2	86.1	91.3	95.1	95.9	96.8	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.1		
GE 900	1	57.5	79.4	86.2	91.4	95.2	96.0	96.9	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.2		
GE 800	1	57.5	79.4	86.2	91.4	95.2	96.0	96.9	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.2		
GE 700	1	57.5	79.5	86.5	91.6	95.4	96.2	97.1	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.6		
GE 600	1	57.5	79.6	86.6	91.7	95.5	96.3	97.2	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.7		
GE 500	1	57.5	79.6	86.7	91.8	95.6	96.5	97.3	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9		
GE 400	1	57.5	79.6	86.7	91.8	95.6	96.5	97.3	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.4		
GE 300	1	57.5	79.6	86.7	91.8	95.6	96.5	97.3	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.4		
GE 200	1	57.5	79.6	86.7	91.8	95.6	96.5	97.3	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.4		
GE 100	1	57.6	79.7	86.8	91.9	95.7	96.6	97.4	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.5	100.0		
GE 01	1	57.6	79.7	86.8	91.9	95.7	96.6	97.4	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.5	100.0		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

FEET	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	1	1/4	GE	3/4	GE	5/8	GE	1/2	GE	5/16	GE	1/4	GE	0
NO CELL	1	47.1	66.7	71.5	73.8	75.3	75.4	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 20000	1	51.7	72.9	78.4	80.8	82.3	82.4	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 14000	1	52.3	73.5	79.0	81.4	82.9	83.0	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 16000	1	52.3	73.5	79.0	81.4	82.9	83.0	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 14000	1	53.0	75.1	80.5	82.9	84.4	84.5	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 12000	1	54.7	77.1	82.6	84.9	86.5	86.6	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 10000	1	56.7	79.7	85.3	87.7	89.2	89.4	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 9000	1	57.1	80.1	85.7	88.2	89.7	89.8	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 8000	1	58.1	81.5	87.2	89.8	91.3	91.4	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	1	58.6	82.2	87.8	90.4	91.9	92.0	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 6000	1	58.7	82.4	88.1	91.0	92.5	92.6	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 5000	1	59.6	83.3	89.1	92.0	93.5	93.7	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 4500	1	59.8	83.5	89.4	92.3	93.8	93.9	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4000	1	60.5	84.3	90.1	93.0	94.5	94.6	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3500	1	60.5	84.3	90.1	93.0	94.5	94.6	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3000	1	61.1	84.9	90.8	93.7	95.2	95.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	1	61.2	85.3	91.1	94.0	95.5	95.6	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	1	61.6	85.8	91.6	94.5	96.0	96.1	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	1	61.7	85.9	91.7	94.6	96.1	96.2	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	1	61.9	86.5	92.5	95.6	97.1	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	1	62.0	86.8	92.8	95.9	97.4	97.5	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	1	62.0	86.9	92.9	96.0	97.5	97.6	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	1	62.2	87.1	93.2	96.3	97.8	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	1	62.2	87.1	93.2	96.3	97.8	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	1	62.2	87.1	93.2	96.3	98.1	98.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	1	62.2	87.1	93.2	96.3	98.1	98.3	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	1	62.2	87.1	93.2	96.3	98.1	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	1	62.2	87.1	93.2	96.3	98.1	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	1	62.2	87.1	93.2	96.3	98.1	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	1	62.2	87.1	93.2	96.3	98.1	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	1	62.2	87.1	93.2	96.3	98.1	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	1	62.2	87.1	93.2	96.3	98.1	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
IN		1		2		3		4		5		6		7		8		9		10	
FEET		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0					
NO CEIL	53.3	67.7	71.8	74.3	74.7	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1					
GE 20000	58.6	74.7	79.5	82.0	82.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9					
GE 18000	59.4	75.7	80.5	83.1	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0					
GE 16000	59.5	75.9	80.9	83.4	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3					
GE 14000	61.1	78.3	83.2	85.8	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7					
GE 12000	62.8	80.2	85.3	87.8	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7					
GE 10000	64.4	82.6	87.6	90.2	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1					
GE 9000	64.6	82.9	88.1	90.6	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5					
GE 8000	65.7	84.3	89.8	92.4	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2					
GE 7000	66.2	84.8	90.4	93.1	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0					
GE 6000	66.3	85.3	90.9	93.5	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4					
GE 5000	67.2	86.2	91.9	94.7	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6					
GE 4500	67.3	86.3	92.0	94.8	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7					
GE 4000	68.3	87.5	93.2	96.0	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0					
GE 3500	68.7	88.1	93.8	96.6	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5					
GE 3000	68.8	88.6	94.3	97.5	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5					
GE 2500	69.2	89.0	94.7	98.0	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9					
GE 2000	69.2	89.0	94.7	98.0	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9					
GE 1800	69.2	89.0	94.8	98.1	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0					
GE 1500	69.4	89.1	95.2	98.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4					
GE 1200	69.4	89.1	95.2	98.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4					
GE 1000	69.5	89.2	95.3	98.6	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6					
GE 900	69.6	89.4	95.4	98.7	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7					
GE 800	69.6	89.4	95.4	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8					
GE 700	69.6	89.4	95.4	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
GE 600	69.6	89.4	95.4	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
GE 500	69.6	89.4	95.4	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
GE 400	69.6	89.4	95.4	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
GE 300	69.6	89.4	95.4	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
GE 200	69.6	89.4	95.4	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
GE 100	69.6	89.4	95.4	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
GE 0	69.6	89.4	95.4	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																													
IN FEET	GE	10	GE	6	GE	5	GE	4	GE	3	GE	2 1/2	GE	2	GE	1 1/2	GE	1	GE	3/4	GE	5/8	GE	1/2	GE	5/16	GE	1/4	GE	0	
NO CEIL	1	57.8	71.2	74.8	75.9	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	
GE 20000	1	60.9	76.1	80.1	81.4	82.5	82.7	82.7	82.7	82.5	92.3	92.5	92.6	92.6	92.6	92.7	92.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 18000	1	61.4	76.7	80.8	82.0	83.1	83.3	83.3	83.4	83.1	92.4	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 16000	1	61.5	77.0	81.1	82.4	83.4	83.7	83.7	83.8	83.4	94.2	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 14000	1	62.8	79.0	83.1	84.4	85.5	85.7	85.7	85.8	85.5	94.7	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 12000	1	65.6	82.6	86.8	88.2	89.2	89.5	89.5	89.6	89.2	95.9	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 10000	1	67.8	85.4	89.7	91.1	92.3	92.5	92.5	92.6	92.3	96.9	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 9000	1	68.0	85.5	89.8	91.2	92.4	92.6	92.6	92.7	92.4	97.2	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 8000	1	69.5	87.1	91.6	93.0	94.2	94.4	94.4	94.5	94.2	98.5	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 7000	1	69.9	87.6	92.2	93.5	94.7	94.9	94.9	95.1	94.7	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 6000	1	70.9	88.7	93.2	94.7	95.9	96.1	96.1	96.2	95.9	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	1	71.0	89.7	94.2	95.7	96.9	97.1	97.1	97.2	96.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	1	71.2	90.0	94.5	96.0	97.2	97.4	97.4	97.5	97.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	1	72.3	91.1	95.8	97.3	98.5	98.7	98.7	98.8	98.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	1	72.4	91.2	95.9	97.4	98.6	98.8	98.8	98.9	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	1	72.4	91.4	96.2	97.7	98.9	99.1	99.1	99.2	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	1	72.4	91.4	96.2	97.7	98.9	99.1	99.1	99.2	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	1	72.5	91.5	96.3	98.0	99.1	99.4	99.4	99.5	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	1	72.5	91.6	96.5	98.1	99.2	99.5	99.5	99.6	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	1	72.5	91.6	96.5	98.2	99.4	99.7	99.7	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

VISIBILITY IN STATUTE MILES

390

00

3.2

2.4.2

2.0.2

6.19

5.2

63

104-7

9.2

9.2

9.7

19.7

• • • • •

6.6

6.9.

2.

• • •

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
IN		1		2		3		4		5		6		7		8		9		10	
FEET		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	1/2	1/4	1/2	1	1/2	1/4	1	1/2	1/4	1	1/2	1/4	1	1/2	1/4	1	1/2	1/4	0
NO CEIL		56.8	77.2	79.8	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 20000		58.1	78.8	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 18000		58.4	79.4	81.9	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 16000		58.4	79.5	82.0	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 14000		60.3	81.9	84.5	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 12000		62.8	84.7	87.3	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 10000		65.2	87.6	90.3	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 9000		65.2	87.6	90.3	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 8000		66.0	88.7	91.4	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 7000		66.8	89.6	92.3	93.0	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 6000		67.8	91.0	93.7	94.5	94.8	94.8	94.8	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 5000		68.2	91.6	94.3	95.3	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4500		68.5	92.0	94.7	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4000		69.0	92.7	95.5	96.9	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3500		69.2	93.0	95.8	97.2	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3000		69.6	93.8	96.6	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500		69.6	93.8	96.6	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000		69.6	93.8	96.7	98.3	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800		69.6	93.8	96.7	98.3	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500		69.6	93.8	96.8	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200		69.6	93.8	96.8	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000		69.6	93.8	96.8	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900		69.7	93.9	96.9	98.5	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800		69.7	93.9	96.9	98.5	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700		69.7	94.0	97.0	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600		69.7	94.0	97.0	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500		69.7	94.0	97.0	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400		69.7	94.0	97.0	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300		69.7	94.0	97.0	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200		69.7	94.0	97.0	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100		69.7	94.0	97.0	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 0		69.7	94.0	97.0	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																															
IN	FEET	1	GE	2	GE	3	GE	4	GE	5	GE	6	GE	10	GE	1	GE	1 1/4	GE	1 1/2	GE	2	GE	3	GE	4	GE	5	GE	6	GE	10	GE
NO	CEIL	1	54.6	71.9	75.1	76.8	78.0	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	
GE	20000	57.3	75.8	79.4	81.1	82.3	82.5	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
GE	18000	57.7	76.3	79.9	81.6	82.8	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	
GE	16000	57.8	76.6	80.1	81.9	83.1	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	
GE	14000	58.9	78.2	81.7	83.5	84.8	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
GE	12000	61.0	80.6	84.2	86.1	87.4	87.6	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	
GE	10000	63.1	83.1	86.8	88.7	90.0	90.2	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	
GE	9000	63.2	83.3	87.0	89.0	90.3	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
GE	8000	64.3	84.7	88.5	90.5	91.8	92.0	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE	7000	64.7	85.2	89.1	91.1	92.5	92.7	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
GE	6000	65.4	86.0	89.9	92.0	93.5	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
GE	5000	65.9	86.7	90.7	92.9	94.3	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	
GE	4500	66.2	87.2	91.1	93.3	94.8	95.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
GE	4000	66.9	88.0	92.1	94.3	95.8	96.0	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE	3500	67.0	88.2	92.3	94.6	96.0	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE	3000	67.3	88.7	92.9	95.3	96.7	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE	2500	67.4	88.9	93.0	95.4	96.9	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE	2000	67.5	89.1	93.3	95.7	97.2	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE	1800	67.5	89.2	93.4	95.8	97.3	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE	1500	67.6	89.3	93.7	96.1	97.6	97.9	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE	1200	67.7	89.6	93.9	96.4	98.0	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE	1000	67.7	89.7	94.1	96.5	98.1	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE	900	67.8	89.8	94.2	96.7	98.2	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE	800	67.8	89.8	94.2	96.7	98.3	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE	700	67.8	89.9	94.3	96.8	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE	600	67.8	89.9	94.3	96.8	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE	500	67.8	89.9	94.3	96.8	98.5	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE	400	67.8	89.9	94.3	96.8	98.5	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE	300	67.8	89.9	94.3	96.8	98.5	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE	200	67.8	89.9	94.3	96.8	98.5	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE	100	67.8	89.9	94.3	96.8	98.5	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE	0	67.8	89.9	94.3	96.8	98.5	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86																												
IN		1		2		3		4		5		6		10		1		1 1/4		1 1/2		2		1		1 1/4		1 1/2		1 3/4		5/8		1/2		5/16		1/4		0						
FEET		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1				
NO CEIL	1	36.7	52.4	55.0	55.9	57.8	58.2	58.4	59.2	59.3	59.9	60.2	60.2	60.4	60.6	60.7	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	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	61.1			
GE 20000	38.6	55.7	58.3	59.6	61.7	62.1	62.3	63.2	63.3	63.9	64.3	64.7	65.3	65.7	66.3	66.9	67.4	67.9	68.1	68.2	68.3	68.9	69.6	70.3	70.8	71.1	71.4	72.0	72.1	72.7	73.1	73.3	73.4	73.6	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4		
GE 18000	39.2	56.6	59.3	60.6	62.7	63.1	63.3	64.2	64.3	64.9	65.3	65.7	66.3	66.9	67.4	67.9	68.1	68.2	68.3	68.9	69.6	70.3	70.8	71.1	71.4	72.0	72.1	72.7	73.1	73.3	73.4	73.6	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4		
GE 16000	39.2	56.6	59.3	60.6	62.7	63.1	63.3	64.2	64.3	64.9	65.3	65.7	66.3	66.9	67.4	67.9	68.1	68.2	68.3	68.9	69.6	70.3	70.8	71.1	71.4	72.0	72.1	72.7	73.1	73.3	73.4	73.6	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
GE 14000	39.4	56.8	59.7	61.1	63.3	63.6	64.0	64.9	65.0	65.6	66.0	66.3	66.9	67.4	67.9	68.1	68.2	68.3	68.9	69.6	70.3	70.8	71.1	71.4	72.0	72.1	72.7	73.1	73.3	73.4	73.6	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
GE 12000	40.7	58.2	61.1	62.9	65.2	65.7	65.9	66.8	66.9	67.4	67.9	68.1	68.2	68.3	68.9	69.6	70.3	70.8	71.1	71.4	72.0	72.1	72.7	73.1	73.3	73.4	73.6	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
GE 10000	43.9	62.7	65.7	67.6	70.3	70.8	71.1	72.0	72.1	72.7	73.1	73.3	73.4	73.6	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
GE 9000	43.9	62.9	65.9	67.8	70.7	71.1	71.4	72.3	72.4	73.0	73.4	73.7	73.8	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
GE 8000	45.9	65.8	69.1	71.0	74.2	74.8	75.1	76.0	76.1	76.7	77.1	77.2	77.3	77.4	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	
GE 7000	45.9	65.9	69.2	71.1	74.3	74.9	75.2	76.1	76.2	76.8	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	
GE 6000	46.2	66.6	69.9	71.8	75.1	75.7	76.2	77.1	77.2	77.8	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5		
GE 5000	47.0	68.1	71.4	73.4	76.9	77.4	78.0	78.9	79.0	79.7	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	
GE 4000	49.4	71.7	75.6	77.9	81.7	82.2	82.8	83.7	83.8	84.4	84.6	85.2	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	
GE 3500	49.6	72.0	76.0	78.3	82.4	83.0	83.6	84.4	84.6	85.2	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	
GE 3000	50.2	73.4	77.9	80.6	84.9	85.7	86.2	87.1	87.2	87.9	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	
GE 2500	50.2	74.4	79.1	81.8	86.1	86.9	87.4	88.3	88.4	89.1	89.6	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	
GE 2000	50.3	75.0	79.9	82.7	87.0	88.1	88.7	89.6	89.7	90.3	90.8	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	
GE 1800	50.3	75.0	79.9	82.8	87.2	88.3	88.9	89.8	89.9	90.6	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	
GE 1500	50.3	75.4	80.3	83.4	88.1	89.2	89.8	90.7	90.8	91.4	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	
GE 1200	50.3	75.7	80.6	83.8	88.4	89.6	90.1	91.0	91.1	91.8	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	
GE 1000	50.4	75.8	80.7	83.9	88.7	89.9	90.8	91.7	91.8	92.4	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	
GE 900	50.6	75.9	80.8	84.0	89.1	90.4	91.3	92.3	92.4	93.1	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	
GE 800	50.6	75.9	80.8	84.0	89.1	90.4	91.3	92.3	92.4	93.1	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
GE 700	50.8	76.1	81.1	84.4	89.7	91.0	91.9	92.9	93.0	93.7	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	
GE 600	50.8	76.2	81.3	84.7	90.0	91.3	92.2	93.2	93.3	94.0	94.7	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2		
GE 500	50.8	76.2	81.3	84.7	90.1	91.4	92.3	93.3	93.4	94.1	94.8	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	
GE 400	50.9	76.3	81.4	84.8	90.4	91.8	92.7	93.7	93.9	94.6	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	
GE 300	50.9	76.3	81.4	84.8	90.4	91.9	92.8	93.8	94.0	94.7	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.							

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	10	GE	6	5	4	3	2 1/2	GE	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	35.9	54.7	56.1	57.0	59.0	59.4	59.8	60.1	60.1	60.1	60.9	61.3	61.3	61.6	61.6	61.6	62.4
GE 20000	37.1	57.2	58.7	59.8	61.8	62.2	62.6	63.0	63.0	63.0	63.8	64.3	64.3	64.6	64.6	64.6	65.7
GE 18000	37.6	57.8	59.2	60.6	62.6	63.0	63.3	63.8	63.8	63.8	64.6	65.1	65.1	65.3	65.3	65.3	66.4
GE 16000	37.6	57.8	59.2	60.6	62.6	63.0	63.3	63.8	63.8	63.8	64.6	65.1	65.1	65.3	65.3	65.3	66.4
GE 14000	38.0	58.4	59.9	61.6	63.6	64.0	64.3	64.8	64.8	64.8	65.7	66.2	66.2	66.4	66.4	66.4	67.6
GE 12000	39.3	60.0	61.6	63.6	65.6	66.0	66.3	66.8	66.8	66.8	67.7	68.2	68.2	68.4	68.4	68.4	69.6
GE 10000	42.1	63.8	65.8	67.8	69.9	70.3	70.7	71.3	71.3	71.3	72.2	72.8	72.8	73.0	73.0	73.0	74.1
GE 9000	42.2	64.1	66.1	68.1	70.2	70.7	71.0	71.7	71.7	71.7	72.6	73.1	73.1	73.3	73.3	73.3	74.4
GE 8000	44.0	66.8	69.0	71.1	73.4	73.9	74.2	74.9	74.9	74.9	75.8	76.3	76.3	76.6	76.7	76.7	77.8
GE 7000	44.0	66.9	69.1	71.2	73.7	74.1	74.6	75.2	75.2	75.2	76.1	76.7	76.7	76.9	77.0	77.0	78.1
GE 6000	44.0	67.0	69.2	71.3	73.8	74.2	74.8	75.4	75.4	75.4	76.3	76.9	76.9	77.1	77.2	77.2	78.3
GE 5000	44.9	68.4	70.9	73.0	75.6	76.0	76.6	77.2	77.2	77.2	78.1	78.7	78.7	78.9	79.0	79.0	80.1
GE 4500	46.2	70.0	72.7	74.8	77.3	77.9	78.4	79.1	79.1	79.1	80.0	80.6	80.6	80.9	80.9	80.9	82.0
GE 4000	46.8	70.7	73.4	75.8	78.3	78.9	79.4	80.1	80.1	80.1	81.0	81.6	81.6	81.9	81.9	81.9	83.0
GE 3500	47.0	71.3	74.1	76.6	79.2	79.8	80.3	81.0	81.0	81.0	81.9	82.4	82.4	82.7	82.8	82.8	83.9
GE 3000	47.7	73.3	76.4	79.8	82.9	83.8	84.3	85.2	85.2	85.3	86.2	86.8	86.8	87.0	87.1	87.1	88.2
GE 2500	47.7	73.4	76.7	80.0	83.2	84.2	84.8	85.7	85.7	85.8	86.7	87.2	87.2	87.4	87.6	87.6	88.7
GE 2000	48.0	74.1	77.6	81.4	85.0	86.1	86.7	87.6	87.6	87.7	88.6	89.1	89.1	89.3	89.4	89.4	90.6
GE 1800	48.0	74.2	77.7	81.6	85.1	86.2	86.9	87.8	87.8	87.9	88.8	89.3	89.3	89.6	89.7	89.7	90.8
GE 1500	48.0	74.9	78.6	82.4	86.1	87.3	88.0	88.9	88.9	89.0	89.9	90.4	90.4	90.7	90.8	90.8	91.9
GE 1200	48.0	75.2	78.9	82.8	86.4	87.7	88.3	89.2	89.2	89.3	90.3	90.9	90.9	91.1	91.2	91.2	92.3
GE 1000	48.0	75.3	79.0	82.9	86.7	87.9	88.6	89.4	89.4	89.6	90.6	91.1	91.1	91.3	91.4	91.4	92.6
GE 900	48.1	75.4	79.1	83.0	86.8	88.0	88.7	89.6	89.6	89.7	90.7	91.2	91.2	91.4	91.6	91.6	92.7
GE 800	48.1	75.4	79.1	83.0	86.6	88.0	88.7	89.6	89.6	89.7	90.7	91.3	91.3	91.6	91.7	91.7	92.8
GE 700	48.1	75.7	79.3	83.2	87.0	88.2	88.9	89.6	89.6	89.9	90.9	91.6	91.7	91.9	92.1	92.1	93.2
GE 600	48.1	75.7	79.3	83.3	87.1	88.3	89.0	89.9	89.9	90.0	91.0	91.7	91.8	92.0	92.2	92.2	93.4
GE 500	48.1	75.7	79.3	83.3	87.2	88.7	89.3	90.4	90.4	90.7	91.8	92.4	92.6	92.8	93.0	93.0	94.3
GE 400	48.1	75.7	79.4	83.4	87.4	88.9	89.7	90.8	90.8	91.3	92.6	93.2	93.3	93.6	93.8	93.8	95.7
GE 300	48.1	75.8	79.7	83.7	87.9	89.3	90.1	91.3	91.3	92.0	93.6	94.2	94.3	94.7	95.1	95.1	97.4
GE 200	48.1	75.8	79.7	83.7	87.9	89.3	90.1	91.3	91.3	92.1	93.9	94.6	94.7	95.1	95.6	95.6	98.0
GE 100	48.1	75.8	79.7	83.7	87.9	89.3	90.1	91.4	91.4	92.2	94.0	94.7	94.8	95.2	96.2	96.4	99.9
GE 0	48.1	75.8	79.7	83.7	87.9	89.3	90.1	91.4	91.4	92.2	94.0	94.7	94.8	95.2	96.2	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA

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

CEILING

VISIBILITY IN STATUTE MILES

IN	1	GE	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
FEET	1	GE	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	27.7	42.0	45.9	48.6	50.2	50.9	52.1	52.7	53.0	53.0	53.1	53.2	53.4	53.7	53.8	53.8
GE 20000	1	31.8	47.6	52.2	55.1	56.9	57.6	58.8	59.4	59.8	59.8	59.9	60.0	60.2	60.4	60.6	60.6
GE 18000	1	33.0	49.0	53.8	56.8	58.6	59.2	60.4	61.1	61.4	61.4	61.6	61.7	61.9	62.1	62.2	62.2
GE 16000	1	33.2	49.2	54.0	57.1	58.9	59.6	60.8	61.4	61.8	61.8	61.9	62.0	62.2	62.4	62.6	62.6
GE 14000	1	34.1	51.1	56.6	59.8	61.7	62.3	63.6	64.2	64.6	64.6	64.7	64.8	65.0	65.2	65.3	65.3
GE 12000	1	36.1	53.4	58.9	62.1	64.2	65.4	66.9	67.6	67.9	67.9	68.0	68.1	68.3	68.6	68.7	68.7
GE 10000	1	38.4	56.6	62.4	65.8	68.3	69.9	71.4	72.1	72.4	72.6	72.7	72.8	73.0	73.2	73.3	73.3
GE 9000	1	38.6	56.7	62.6	65.9	68.8	70.3	71.9	72.6	72.9	73.0	73.1	73.2	73.4	73.7	73.8	73.8
GE 8000	1	40.2	58.7	64.7	68.2	71.6	73.4	75.0	75.8	76.1	76.2	76.3	76.4	76.7	76.9	77.0	77.0
GE 7000	1	40.8	59.2	65.2	68.8	72.1	74.0	75.6	76.3	76.7	76.8	76.9	77.0	77.2	77.4	77.6	77.6
GE 6000	1	41.3	60.1	66.1	69.7	73.0	74.9	76.4	77.2	77.6	77.7	77.8	77.9	78.1	78.3	78.4	78.4
GE 5000	1	42.0	60.9	67.0	70.7	74.0	75.9	77.4	78.2	78.6	78.8	78.9	79.0	79.2	79.4	79.6	79.6
GE 4500	1	42.7	61.8	68.0	71.7	75.0	76.9	78.4	79.2	79.6	79.8	79.9	80.0	80.2	80.4	80.6	80.6
GE 4000	1	43.4	62.9	69.3	73.3	76.7	78.6	80.1	81.0	81.3	81.7	81.8	81.9	82.2	82.4	82.6	82.6
GE 3500	1	44.0	63.7	70.3	74.3	77.7	79.6	81.1	82.0	82.3	82.7	82.8	82.9	83.2	83.4	83.6	83.6
GE 3000	1	44.7	65.1	72.2	76.2	79.9	82.3	84.0	85.0	85.4	85.9	86.0	86.1	86.4	86.7	86.8	86.8
GE 2500	1	44.8	65.4	72.9	77.0	80.7	83.2	84.9	86.0	86.4	86.9	87.0	87.1	87.4	87.7	87.8	87.8
GE 2000	1	45.2	66.1	73.6	77.7	81.4	84.0	85.7	87.0	87.4	87.9	88.0	88.1	88.4	88.7	88.8	88.8
GE 1800	1	45.3	66.2	73.7	77.8	81.9	84.3	86.0	87.3	87.8	88.2	88.3	88.4	88.8	89.0	89.1	89.1
GE 1500	1	45.3	66.2	73.7	77.8	81.8	84.3	86.1	87.6	88.0	88.4	88.6	88.7	89.0	89.2	89.3	89.3
GE 1200	1	45.4	66.4	74.0	78.2	82.4	85.2	87.1	88.6	89.0	89.4	89.6	89.7	90.0	90.2	90.3	90.3
GE 1000	1	45.4	66.4	74.0	78.2	82.4	85.2	87.1	88.6	89.2	89.8	90.0	90.1	90.4	90.7	90.8	90.8
GE 900	1	45.4	66.6	74.1	78.3	82.7	85.8	87.9	89.8	90.2	90.8	91.0	91.1	91.4	91.7	91.8	91.8
GE 800	1	45.4	66.7	74.2	78.4	82.9	86.0	88.3	90.2	90.7	91.2	91.4	91.6	91.9	92.1	92.2	92.2
GE 700	1	45.6	66.8	74.3	78.6	83.1	86.4	89.0	91.1	91.7	92.2	92.4	92.6	92.9	93.1	93.2	93.2
GE 600	1	45.7	67.2	74.8	79.2	84.2	87.7	90.3	92.4	93.0	93.6	93.8	93.9	94.2	94.4	94.6	94.6
GE 500	1	45.7	67.4	75.0	79.7	84.9	88.6	91.4	93.8	94.8	95.7	96.1	96.3	96.7	96.9	97.0	97.0
GE 400	1	45.7	67.6	75.1	79.8	85.2	89.0	92.0	94.8	95.9	97.1	97.7	97.9	98.2	98.4	98.8	98.8
GE 300	1	45.7	67.6	75.1	79.8	85.3	89.1	92.1	95.2	96.4	97.7	98.3	98.6	99.0	99.2	99.6	99.7
GE 200	1	45.7	67.6	75.1	79.8	85.3	89.1	92.1	95.2	96.4	97.7	98.3	98.6	99.2	99.4	99.9	100.0
GE 100	1	45.7	67.6	75.1	79.8	85.3	89.1	92.1	95.2	96.4	97.7	98.3	98.6	99.2	99.4	99.9	100.0
GE 0	1	45.7	67.6	75.1	79.8	85.3	89.1	92.1	95.2	96.4	97.7	98.3	98.6	99.2	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(151): 1200-1400

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	30.8	41.3	46.6	50.2	52.6	52.7	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 20000	37.1	49.2	55.2	59.0	61.3	61.4	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 18000	37.9	50.2	56.2	60.2	62.3	62.4	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 16000	37.9	50.3	56.4	60.2	62.6	62.7	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 14000	39.6	52.4	59.4	63.9	66.4	66.7	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 12000	40.9	54.3	61.8	66.2	69.0	69.3	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 10000	42.7	56.7	64.7	69.6	72.7	73.2	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 9000	42.8	56.9	64.9	69.9	73.0	73.6	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 8000	44.3	59.1	67.4	72.6	76.2	76.8	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 7000	44.9	59.7	68.0	73.1	77.0	77.6	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 6000	46.3	61.6	70.0	75.2	79.1	79.8	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 5000	47.2	62.6	71.0	76.4	80.3	81.0	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 4500	47.7	63.3	71.8	77.2	81.1	81.9	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 4000	48.9	65.3	73.9	79.4	84.0	84.8	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3500	49.1	66.0	74.6	80.2	84.8	85.6	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 3000	50.6	67.9	76.6	82.9	87.6	88.4	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	50.9	68.3	77.1	83.4	88.1	89.1	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	51.7	69.3	78.2	84.6	89.3	90.6	91.6	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1800	51.7	69.3	78.2	84.6	89.3	90.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1500	51.8	70.1	79.6	85.9	90.7	91.9	93.0	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	52.0	71.0	80.8	87.1	91.9	93.3	94.4	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	52.0	71.1	81.0	87.6	92.3	94.1	95.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 900	52.0	71.3	81.2	87.8	92.9	94.7	95.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	52.0	71.3	81.2	87.9	93.0	94.9	96.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	52.0	71.6	81.6	88.2	93.3	95.4	97.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	52.0	71.7	81.7	88.3	93.6	95.8	97.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	52.0	71.7	81.7	88.3	93.6	95.9	97.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	52.0	71.7	81.7	88.3	93.6	96.0	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	52.0	71.7	81.7	88.3	93.6	96.0	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	52.0	71.7	81.7	88.3	93.6	96.0	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	52.0	71.7	81.7	88.3	93.6	96.0	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 0	52.0	71.7	81.7	88.3	93.6	96.0	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

VISIBILITY IN STATUTE MILES									
CEILING									
IN FEET	1	GE	10	6	GE	5	GE	4	3
	GE	2 1/2	GE	2 1/2	GE	1 1/2	GE	1 1/4	1
	GE	5/8	GE	3/4	GE	1/2	GE	5/16	1/4
	GE		GE		GE		GE		0
NO CEIL	1	34.3	49.3	51.3	54.7	56.6	56.6	57.3	57.6
GE 20000	1	38.6	54.3	57.0	60.9	63.3	63.4	64.3	64.6
GE 18000	1	39.0	54.9	57.7	61.7	64.2	64.3	65.2	65.4
GE 16000	1	39.2	55.1	58.0	62.0	64.6	64.7	65.6	65.8
GE 14000	1	41.1	57.6	60.9	65.2	67.9	68.1	69.0	69.2
GE 12000	1	41.9	58.4	62.3	67.0	70.1	70.3	71.2	71.7
GE 10000	1	45.1	62.6	67.1	72.1	75.4	75.7	76.6	77.2
GE 9000	1	45.1	62.7	67.2	72.2	75.6	75.8	76.7	77.3
GE 8000	1	46.7	64.8	69.7	75.1	78.7	79.3	80.2	80.9
GE 7000	1	47.1	65.2	70.1	75.7	79.3	80.0	80.9	81.6
GE 6000	1	47.6	66.7	71.7	77.7	81.6	82.2	83.1	83.8
GE 5000	1	48.4	67.7	72.7	78.7	82.6	83.2	84.2	84.9
GE 4500	1	49.1	68.9	74.2	80.7	85.0	85.7	86.7	87.3
GE 4000	1	50.1	70.3	75.8	82.4	87.0	87.7	88.8	89.4
GE 3500	1	50.6	70.9	76.3	83.0	87.6	88.2	89.3	90.0
GE 3000	1	51.3	72.2	78.0	85.0	89.7	90.3	91.8	93.1
GE 2500	1	51.4	72.6	78.4	85.4	90.1	90.8	92.2	93.7
GE 2000	1	51.7	73.0	79.1	86.1	90.9	91.7	93.2	94.7
GE 1800	1	51.7	73.0	79.1	86.1	90.9	91.7	93.2	94.7
GE 1500	1	51.7	73.6	79.7	86.7	91.4	92.4	94.2	95.9
GE 1200	1	51.8	73.9	80.0	87.0	92.1	93.1	94.9	96.6
GE 1000	1	51.8	74.0	80.1	87.2	92.6	93.9	96.1	97.9
GE 900	1	51.8	74.0	80.2	87.3	93.1	94.4	96.9	98.7
GE 800	1	51.8	74.0	80.2	87.3	93.1	94.6	97.0	98.8
GE 700	1	51.8	74.0	80.2	87.3	93.1	94.6	97.1	99.1
GE 600	1	51.8	74.0	80.2	87.3	93.1	94.6	97.1	99.1
GE 500	1	51.8	74.0	80.2	87.3	93.1	94.6	97.1	99.1
GE 400	1	51.8	74.0	80.2	87.3	93.1	94.6	97.2	99.2
GE 300	1	51.8	74.0	80.2	87.3	93.1	94.6	97.2	99.2
GE 200	1	51.8	74.0	80.2	87.3	93.1	94.6	97.2	99.2
GE 100	1	51.8	74.0	80.2	87.3	93.1	94.6	97.2	99.2
GE 0	1	51.8	74.0	80.2	87.3	93.1	94.6	97.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA
PERIOD OF RECORD: 77-86
MONTH: NOV HOURS: 2100-2300

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE			
IN FEET	10	GE		GE		GE		GE		GE		GE		GE		GE		GE		GE	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEIL	1	33.9	53.0	54.7	56.9	58.9	59.3	60.1	60.4	60.7	60.9	61.1	61.1	61.1	61.4	61.6	61.6	61.6	61.6	61.7	
GE 20000	1	37.1	57.6	60.1	62.6	65.0	65.7	66.4	66.8	67.0	67.2	67.4	67.4	67.4	67.8	67.9	67.9	67.9	67.9	68.0	
GE 18000	1	37.1	57.6	60.1	62.6	65.0	65.7	66.4	66.8	67.0	67.2	67.4	67.4	67.4	67.8	67.9	67.9	67.9	67.9	68.0	
GE 16000	1	37.4	57.9	60.4	62.9	65.3	66.0	66.8	67.1	67.3	67.6	67.8	67.8	67.8	68.1	68.2	68.2	68.2	68.2	68.3	
GE 14000	1	38.0	58.4	61.0	63.9	66.3	67.0	67.8	68.1	68.3	68.6	68.8	68.8	68.8	69.1	69.2	69.2	69.2	69.2	69.3	
GE 12000	1	39.6	60.2	63.1	66.4	69.3	70.2	71.0	71.3	71.6	71.8	72.0	72.0	72.0	72.3	72.4	72.4	72.4	72.4	72.6	
GE 10000	1	42.1	64.4	67.9	71.6	74.6	75.4	76.2	76.7	76.9	77.1	77.3	77.3	77.3	77.7	77.8	77.8	77.8	77.8	77.9	
GE 9000	1	42.7	65.1	68.6	72.2	75.2	76.1	76.9	77.4	77.7	77.9	78.1	78.1	78.1	78.4	78.6	78.6	78.6	78.6	78.7	
GE 8000	1	43.3	67.4	71.0	74.8	77.9	78.8	79.6	80.1	80.3	80.6	80.8	80.8	80.8	81.1	81.2	81.2	81.2	81.2	81.3	
GE 7000	1	43.9	68.1	71.7	75.4	78.6	79.6	80.3	80.9	81.1	81.3	81.6	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.1	
GE 6000	1	44.9	69.4	73.2	77.0	80.1	81.1	81.9	82.4	82.7	82.9	83.1	83.1	83.1	83.4	83.6	83.6	83.6	83.6	83.7	
GE 5000	1	45.1	70.0	73.8	77.8	81.0	82.0	82.8	83.3	83.6	83.8	84.0	84.0	84.0	84.3	84.4	84.4	84.4	84.4	84.6	
GE 4500	1	46.0	71.9	75.7	79.8	83.0	84.0	84.8	85.3	85.6	85.8	86.0	86.0	86.0	86.3	86.4	86.4	86.4	86.4	86.6	
GE 4000	1	47.0	73.3	77.3	81.6	85.1	86.1	86.9	87.4	87.7	87.9	88.1	88.1	88.1	88.4	88.6	88.6	88.6	88.6	88.7	
GE 3500	1	47.2	74.1	78.1	82.4	86.0	87.0	87.8	88.4	88.7	88.9	89.1	89.1	89.1	89.4	89.6	89.6	89.6	89.6	89.7	
GE 3000	1	47.6	76.2	80.7	85.2	89.3	90.3	91.6	92.2	92.6	92.8	93.1	93.1	93.1	93.4	93.6	93.6	93.6	93.6	93.7	
GE 2500	1	47.8	76.8	81.3	85.9	90.0	91.0	92.3	93.0	93.3	93.6	93.9	93.9	93.9	94.2	94.3	94.3	94.3	94.3	94.4	
GE 2000	1	47.9	77.0	81.7	86.3	90.8	91.8	93.1	93.8	94.1	94.3	94.7	94.7	94.7	95.0	95.1	95.1	95.1	95.1	95.2	
GE 1800	1	47.9	77.0	81.7	86.3	90.8	91.8	93.1	93.8	94.1	94.3	94.7	94.7	94.7	95.0	95.1	95.1	95.1	95.1	95.2	
GE 1500	1	47.9	77.1	82.1	87.0	91.8	92.9	94.2	94.9	95.2	95.4	95.8	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.3	
GE 1200	1	47.9	77.1	82.1	87.0	92.1	93.2	94.6	95.2	95.6	95.9	96.2	96.2	96.2	96.6	96.7	96.7	96.7	96.7	96.8	
GE 1000	1	47.9	77.3	82.3	87.2	92.7	93.8	95.1	95.8	96.1	96.4	96.8	96.8	96.8	97.1	97.2	97.2	97.2	97.2	97.3	
GE 900	1	47.9	77.3	82.4	87.3	93.0	94.1	95.4	96.1	96.4	96.8	97.1	97.1	97.1	97.4	97.6	97.6	97.6	97.6	97.7	
GE 800	1	47.9	77.3	82.4	87.3	93.0	94.3	95.7	96.4	96.8	97.1	97.4	97.4	97.4	97.8	97.9	97.9	97.9	97.9	98.0	
GE 700	1	47.9	77.3	82.4	87.3	93.0	94.3	95.7	96.4	96.8	97.2	97.6	97.6	97.6	97.9	98.0	98.0	98.0	98.0	98.1	
GE 600	1	47.9	77.3	82.6	87.4	93.1	94.4	95.8	96.6	96.9	97.3	97.7	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.2	
GE 500	1	47.9	77.3	82.6	87.4	93.1	94.7	96.1	96.9	97.2	97.7	98.0	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.6	
GE 400	1	47.9	77.3	82.6	87.4	93.1	94.7	96.6	97.4	97.8	98.3	98.7	98.7	98.7	99.1	99.2	99.2	99.2	99.2	99.3	
GE 300	1	47.9	77.3	82.6	87.4	93.1	95.0	96.9	97.8	98.1	98.7	99.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.8	
GE 200	1	47.9	77.3	82.6	87.4	93.1	95.0	96.9	97.8	98.1	98.7	99.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.8	
GE 100	1	47.9	77.3	82.6	87.4	93.1	95.0	96.9	97.8	98.1	98.7	99.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	100.0	
GE 0	1	47.9	77.3	82.6	87.4	93.1	95.0	96.9	97.8	98.1	98.7	99.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																HOURS(LST)			
IN	FEET	1	10	6	5	4	3	2	1 1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO	CEIL	1	18.6	27.2	29.5	32.0	36.1	37.7	39.5	41.7	41.8	43.0	43.4	43.4	43.4	43.8	44.0	44.3	44.3	45.2	
GE	20000	19.7	29.1	31.4	31.4	34.0	38.6	40.6	42.4	44.8	44.9	46.1	46.6	46.6	46.6	46.9	47.1	47.4	47.4	48.3	
GE	18000	19.8	29.2	31.5	31.5	34.1	38.7	40.8	42.5	44.9	45.1	46.2	46.7	46.7	46.7	47.0	47.2	47.5	47.5	48.4	
GE	16000	19.8	29.2	31.5	31.5	34.1	38.7	40.8	42.5	44.9	45.1	46.2	46.7	46.7	46.7	47.0	47.2	47.5	47.5	48.4	
GE	14000	19.9	29.4	31.9	31.9	34.5	39.1	41.2	42.9	45.5	45.6	46.8	47.2	47.2	47.2	47.5	47.7	48.1	48.1	48.9	
GE	12000	20.4	30.2	32.8	32.8	35.4	40.0	42.4	44.1	46.7	46.8	48.0	48.4	48.4	48.4	48.7	48.9	49.2	49.2	50.1	
GE	10000	21.4	31.7	34.6	34.6	37.4	42.8	45.2	46.9	49.5	49.6	51.1	51.5	51.5	51.5	51.8	52.0	52.4	52.4	53.2	
GE	9000	21.5	31.8	34.7	34.7	37.5	42.9	45.3	47.0	49.6	49.7	51.2	51.6	51.6	51.6	51.9	52.2	52.5	52.5	53.3	
GE	8000	22.2	32.7	35.6	35.6	38.4	43.8	46.1	47.8	50.4	50.5	52.3	52.7	52.7	52.7	53.0	53.2	53.5	53.5	54.4	
GE	7000	22.2	32.7	35.7	35.7	38.5	44.0	46.5	48.2	50.8	50.9	52.6	53.0	53.0	53.0	53.3	53.5	53.9	53.9	54.7	
GE	6000	22.6	34.0	37.2	37.2	40.1	45.7	48.2	49.9	52.5	52.6	54.3	54.7	54.7	54.7	55.1	55.3	55.6	55.6	56.5	
GE	5000	23.2	35.3	38.7	38.7	41.7	47.4	50.0	51.7	54.3	54.4	56.1	56.6	56.6	56.6	56.9	57.1	57.4	57.4	58.3	
GE	4500	23.7	37.2	40.9	40.9	44.0	50.0	52.7	54.4	57.0	57.1	58.8	59.4	59.4	59.4	59.7	59.9	60.2	60.2	61.1	
GE	4000	24.2	38.2	42.0	42.0	45.5	51.7	54.4	56.1	58.7	58.8	60.5	61.1	61.1	61.1	61.4	61.6	61.9	61.9	62.8	
GE	3500	24.7	39.2	43.2	43.2	46.7	53.2	55.9	57.6	60.2	60.3	62.0	62.6	62.6	62.6	62.9	63.1	63.4	63.4	64.3	
GE	3000	25.4	41.6	45.8	45.8	49.4	56.1	58.8	60.6	63.2	63.3	65.1	65.6	65.6	65.6	65.9	66.1	66.5	66.5	67.3	
GE	2500	25.6	41.9	46.2	46.2	49.8	56.7	59.5	61.3	63.9	64.0	65.7	66.2	66.2	66.2	66.6	66.8	67.1	67.1	68.0	
GE	2000	25.9	43.1	47.7	47.7	51.6	58.5	61.4	63.3	65.9	66.0	67.7	68.3	68.3	68.3	68.6	68.9	69.2	69.2	70.1	
GE	1800	26.1	44.0	48.8	48.8	52.9	59.8	62.7	64.6	67.2	67.3	69.0	69.6	69.6	69.6	69.9	70.2	70.5	70.5	71.4	
GE	1500	26.1	44.0	49.5	49.5	53.7	60.6	63.8	65.7	68.6	68.7	70.4	71.1	71.1	71.1	71.4	71.7	72.0	72.0	72.9	
GE	1200	26.2	44.7	50.0	50.0	54.2	61.4	64.7	66.7	69.8	69.9	71.6	72.3	72.3	72.3	72.6	72.9	73.2	73.2	74.1	
GE	900	26.2	44.7	50.2	50.2	54.5	62.2	65.6	67.5	70.6	70.8	72.5	73.2	73.2	73.2	73.5	73.9	74.2	74.2	75.1	
GE	800	26.2	45.1	50.5	50.5	54.8	62.6	66.3	68.5	71.6	71.7	73.4	74.2	74.2	74.2	74.5	74.8	75.2	75.2	76.0	
GE	700	26.2	45.1	50.5	50.5	54.8	63.0	66.9	69.0	72.5	72.6	74.3	75.1	75.1	75.1	75.4	75.7	76.0	76.0	76.9	
GE	600	26.2	45.2	51.1	51.1	55.4	64.1	68.4	70.6	74.6	75.1	77.0	77.7	77.7	77.7	78.2	78.5	78.8	78.8	79.7	
GE	500	26.2	45.7	51.7	51.7	56.5	65.6	70.0	72.5	76.5	77.1	79.0	79.8	79.8	79.8	80.2	80.5	80.9	80.9	81.7	
GE	400	26.2	46.0	52.0	52.0	57.2	66.7	71.3	74.5	79.1	80.0	82.5	83.3	83.3	83.3	83.8	84.1	84.4	84.4	85.4	
GE	300	26.2	46.0	52.0	52.0	57.3	67.1	71.9	75.4	80.2	81.3	84.6	85.6	85.6	85.6	86.2	86.7	87.3	87.3	88.4	
GE	200	26.2	46.0	52.0	52.0	57.3	67.1	71.9	75.4	80.5	81.7	85.3	86.6	86.6	86.6	87.1	87.7	88.4	88.4	89.5	
GE	100	26.2	46.0	52.0	52.0	57.3	67.1	71.9	75.4	80.5	81.7	85.3	87.0	87.0	87.0	87.4	87.7	88.4	88.4	89.5	
GE	0	26.2	46.0	52.0	52.0	57.3	67.1	71.9	75.4	80.5	81.7	85.3	87.0	87.0	87.0	87.4	87.7	88.4	88.4	89.5	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
IN		1		2		3		4		5		6		7		8		9		10	
FEET		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0				
NO CEIL		15.1	23.7	26.2	28.4	31.0	32.3	33.8	35.8	36.2	36.8	37.1	37.3	37.5	37.7	38.3	39.0				
GE 20000	16.7	26.3	29.1	31.6	34.5	35.6	37.6	37.6	39.7	40.1	40.6	41.0	41.2	41.4	41.7	42.3	43.1				
GE 18000	16.8	26.5	29.2	31.7	34.6	36.0	37.8	37.8	39.9	40.3	40.9	41.2	41.4	41.6	41.9	42.5	43.3				
GE 16000	16.8	26.5	29.2	31.7	34.6	36.0	37.8	37.8	39.9	40.3	40.9	41.2	41.4	41.6	41.9	42.5	43.3				
GE 14000	17.3	27.7	30.6	33.1	36.1	37.5	39.4	39.4	41.5	41.9	42.5	42.8	43.0	43.2	43.7	44.2	45.1				
GE 12000	17.5	28.2	31.2	33.7	36.7	38.2	40.0	40.0	42.2	42.6	43.1	43.4	43.7	43.9	44.3	44.8	45.7				
GE 10000	18.7	30.2	33.2	35.8	39.7	41.2	43.2	43.2	45.4	46.1	46.9	47.2	47.4	47.6	48.1	48.6	49.5				
GE 9000	18.7	30.2	33.2	35.8	39.7	41.2	43.2	43.2	45.4	46.1	46.9	47.2	47.4	47.6	48.1	48.6	49.5				
GE 8000	19.4	31.0	34.0	36.6	40.4	41.9	44.0	44.0	46.1	46.9	47.6	48.2	48.4	48.6	49.0	49.6	50.4				
GE 7000	19.6	31.2	34.3	36.9	40.8	42.3	44.3	44.3	46.7	47.4	48.2	48.7	48.9	49.1	49.6	50.1	51.0				
GE 6000	19.9	32.2	35.5	38.2	42.4	43.9	46.0	46.0	48.4	49.1	49.9	50.4	50.6	50.9	51.3	51.8	52.7				
GE 5000	20.3	34.2	37.6	40.3	44.5	46.1	48.4	48.4	50.8	51.5	52.3	52.8	53.0	53.2	53.7	54.2	55.1				
GE 4500	20.4	35.1	38.8	41.5	45.9	47.5	49.8	49.8	52.2	52.9	53.8	54.3	54.5	54.7	55.2	55.7	56.6				
GE 4000	20.5	35.6	39.6	42.5	47.2	48.8	51.1	51.1	53.4	54.2	55.1	55.6	55.8	56.0	56.5	57.0	57.8				
GE 3500	21.2	36.5	40.5	43.4	48.4	50.0	52.3	52.3	54.6	55.4	56.2	56.8	57.0	57.2	57.6	58.2	59.0				
GE 3000	21.6	38.2	42.9	45.8	51.0	52.6	54.8	54.8	57.2	58.0	58.8	59.4	59.6	59.8	60.2	60.8	61.6				
GE 2500	21.8	38.9	43.8	46.9	52.0	53.7	56.2	56.2	58.6	59.4	60.2	60.9	61.2	61.4	61.8	62.4	63.2				
GE 2000	22.2	39.7	44.6	48.2	53.4	55.1	57.6	57.6	60.0	60.8	61.6	62.3	62.6	62.8	63.2	63.8	64.6				
GE 1800	22.2	40.0	44.9	48.6	54.0	55.6	58.2	58.2	60.5	61.3	62.2	62.8	63.1	63.3	63.8	64.3	65.2				
GE 1500	22.2	40.5	45.7	49.9	55.5	57.1	59.7	59.7	62.3	63.0	63.9	64.5	64.9	65.3	65.7	66.2	67.1				
GE 1200	22.2	40.8	46.7	51.0	57.0	58.6	61.2	61.2	63.9	64.6	65.5	66.1	66.6	66.9	67.3	67.8	68.7				
GE 1000	22.2	41.2	47.1	51.8	58.0	59.6	62.2	62.2	65.1	65.8	66.7	67.6	68.1	68.4	68.8	69.4	70.2				
GE 900	22.2	41.3	47.2	51.9	58.5	60.2	62.9	62.9	65.8	66.6	67.4	68.4	68.8	69.1	69.6	70.1	71.0				
GE 800	22.2	41.3	47.2	52.2	58.9	60.6	63.3	63.3	66.5	67.2	68.1	69.0	69.5	69.8	70.2	70.8	71.6				
GE 700	22.2	41.6	47.5	52.5	59.2	61.2	63.9	63.9	67.3	68.1	68.9	69.9	70.3	70.6	71.1	71.6	72.5				
GE 600	22.2	41.8	47.8	52.9	60.0	62.3	65.4	65.4	69.2	70.0	70.9	72.2	72.6	73.0	73.5	74.1	74.9				
GE 500	22.2	42.3	48.4	54.1	62.2	64.7	68.5	68.5	72.6	73.3	74.2	75.5	75.9	76.5	77.0	77.5	78.4				
GE 400	22.2	42.9	49.0	55.1	63.1	66.2	70.5	70.5	75.1	76.1	77.1	78.4	78.9	79.6	80.1	80.8	81.6				
GE 300	22.2	42.9	49.0	55.1	64.0	67.3	71.8	71.8	77.3	78.8	80.3	81.8	82.4	83.2	83.8	84.6	85.6				
GE 200	22.2	42.9	49.0	55.1	64.0	67.3	72.0	72.0	77.8	79.4	81.7	83.7	84.3	86.2	87.1	88.5	91.1				
GE 100	22.2	42.9	49.0	55.1	64.0	67.4	72.2	72.2	78.0	79.6	82.2	84.1	84.7	86.9	87.8	91.7	97.5				
GE 0	22.2	42.9	49.0	55.1	64.0	67.4	72.2	72.2	78.0	79.6	82.2	84.1	84.7	86.9	88.0	91.8	100.0				

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA
PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(151): 0600-0800

CEILING IN FEET VISIBILITY IN STATUTE MILES

	1	10	6	5	4	3	2	1/2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO	CEIL	1	12.4	20.0	22.2	23.4	26.9	28.2	29.6	31.8	32.7	33.3	33.9	33.9	33.9	34.3	34.4	34.8	36.9
GE 20000	13.2	21.3	23.4	23.4	24.9	28.5	29.8	31.2	33.4	34.3	35.1	35.8	35.8	36.2	36.3	36.9	38.9	38.9	38.9
GE 18000	13.4	21.5	23.7	25.2	28.8	30.1	31.5	33.8	34.6	35.4	36.1	36.1	36.1	36.6	36.7	37.2	39.2	39.2	39.2
GE 16000	13.4	21.5	23.7	25.2	28.8	30.1	31.5	33.8	34.6	35.4	36.1	36.1	36.1	36.6	36.7	37.2	39.2	39.2	39.2
GE 14000	14.0	22.4	24.6	26.1	30.1	31.4	32.8	35.1	35.9	36.7	37.4	37.4	37.4	37.8	38.0	38.5	40.6	40.6	40.6
GE 12000	14.4	23.0	25.6	27.4	31.5	32.9	34.3	36.7	37.5	38.3	39.0	39.0	39.0	39.5	39.6	40.3	42.5	42.5	42.5
GE 10000	15.7	25.5	28.3	30.3	35.3	36.7	38.3	40.8	41.7	42.5	43.2	43.2	43.2	43.8	43.9	44.6	46.8	46.8	46.8
GE 9000	15.7	25.5	28.3	30.3	35.3	36.7	38.3	40.8	41.7	42.5	43.2	43.2	43.2	43.8	43.9	44.6	46.8	46.8	46.8
GE 8000	16.7	26.9	29.7	32.2	37.2	38.6	40.2	42.7	43.7	44.4	45.2	45.2	45.2	45.7	45.8	46.6	48.7	48.7	48.7
GE 7000	16.8	27.1	29.9	32.4	37.5	39.0	40.6	43.3	44.4	45.4	46.1	46.1	46.1	46.7	46.8	47.5	49.7	49.7	49.7
GE 6000	17.1	28.1	30.9	33.3	38.7	40.2	42.0	44.7	45.8	46.8	47.5	47.5	47.5	48.1	48.2	48.9	51.1	51.1	51.1
GE 5000	17.7	29.9	33.0	35.7	41.7	43.3	45.3	48.0	49.0	50.1	51.0	51.0	51.0	51.5	51.6	52.4	54.5	54.5	54.5
GE 4500	18.0	30.9	34.6	37.3	43.9	45.5	47.6	50.3	51.4	52.5	53.3	53.3	53.3	53.9	54.0	54.7	56.9	56.9	56.9
GE 4000	18.4	31.6	35.5	38.3	45.4	47.0	49.1	51.8	52.9	54.0	54.8	54.8	54.8	55.4	55.5	56.2	58.4	58.4	58.4
GE 3500	18.8	32.6	36.5	39.4	46.6	48.2	50.3	53.1	54.2	55.3	56.1	56.1	56.1	56.7	56.9	57.6	59.8	59.8	59.8
GE 3000	19.1	33.5	37.6	40.6	48.1	49.9	52.3	55.1	56.1	57.2	58.1	58.1	58.1	58.6	58.8	59.6	61.7	61.7	61.7
GE 2500	19.4	34.3	38.5	41.8	49.4	51.2	53.5	56.5	57.5	58.7	59.6	59.6	59.6	60.1	60.3	61.1	63.2	63.2	63.2
GE 2000	19.5	34.7	39.1	42.7	50.5	52.5	54.9	58.0	59.0	60.2	61.1	61.1	61.1	61.6	61.8	62.6	64.7	64.7	64.7
GE 1800	19.5	34.8	39.2	42.9	50.9	52.8	55.3	58.3	59.4	60.5	61.4	61.4	61.4	61.9	62.2	62.9	65.1	65.1	65.1
GE 1500	19.5	35.4	39.8	43.5	51.8	53.8	56.3	59.4	60.4	61.6	62.6	62.6	62.6	63.3	63.5	64.3	66.5	66.5	66.5
GE 1200	19.5	36.1	40.8	44.5	53.0	55.2	57.8	60.9	61.9	63.1	64.2	64.2	64.2	64.9	65.2	65.9	68.1	68.1	68.1
GE 1000	19.5	36.1	41.1	45.2	54.3	56.6	59.2	62.4	63.4	64.6	65.7	65.7	65.7	66.5	66.7	67.4	69.6	69.6	69.6
GE 900	19.5	36.2	41.2	45.3	54.5	57.0	59.7	62.8	63.9	65.1	66.1	66.1	66.1	66.9	67.1	67.8	70.0	70.0	70.0
GE 800	19.5	36.6	41.5	45.6	54.9	57.4	60.3	63.5	64.6	65.9	67.0	67.0	67.0	67.7	68.0	68.7	70.9	70.9	70.9
GE 700	19.5	36.7	41.7	45.8	55.6	58.1	61.0	64.3	65.5	66.9	68.0	68.0	68.0	68.7	68.9	69.7	71.8	71.8	71.8
GE 600	19.5	36.7	41.7	45.9	56.0	58.6	61.7	65.2	66.6	68.1	69.1	69.1	69.1	69.9	70.1	70.9	73.0	73.0	73.0
GE 500	19.5	36.7	41.7	46.2	56.9	59.7	63.0	67.1	68.6	70.4	71.5	71.5	71.5	72.3	72.5	73.2	75.4	75.4	75.4
GE 400	19.5	36.9	41.9	46.7	57.6	61.0	65.1	70.2	72.2	74.3	76.1	76.1	76.1	76.9	77.1	77.8	80.3	80.3	80.3
GE 300	19.5	36.9	42.0	46.9	58.5	61.9	66.0	72.4	74.9	78.0	80.1	80.1	80.1	81.4	81.6	82.4	84.9	84.9	84.9
GE 200	19.5	36.9	42.0	46.9	58.5	62.0	66.1	72.9	75.7	79.6	82.2	82.2	82.2	84.0	85.2	87.0	91.6	91.6	91.6
GE 100	19.5	36.9	42.0	46.9	58.5	62.0	66.1	72.9	75.7	79.7	82.5	82.5	82.5	84.5	86.3	89.2	98.1	98.1	98.1
GE 01	19.5	36.9	42.0	46.9	58.5	62.0	66.1	72.9	75.7	79.7	82.5	82.5	82.5	84.5	86.3	89.2	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																HOURS(LST): 0900-1100			
IN	FEET	1	2	3	4	5	6	10	15	20	25	30	35	40	45	50	55	60	65	70	75
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO	CEIL	1	2	3	4	5	6	10	15	20	25	30	35	40	45	50	55	60	65	70	75
GE	20000	14.8	21.2	23.2	26.8	30.9	32.6	29.1	30.3	32.3	32.7	33.1	33.3	33.3	33.7	33.9	34.3	35.1			
GE	18000	14.8	21.2	23.2	26.8	30.9	32.6	29.1	30.3	32.3	32.7	33.1	33.3	33.3	33.7	33.9	34.3	35.1			
GE	16000	14.8	21.2	23.2	26.8	30.9	32.6	29.1	30.3	32.3	32.7	33.1	33.3	33.3	33.7	33.9	34.3	35.1			
GE	14000	15.9	22.6	24.7	28.4	32.6	34.3	35.6	36.7	39.0	39.5	39.9	40.4	40.6	41.2	41.4	41.8	42.6			
GE	12000	16.1	22.9	25.3	29.0	33.7	35.4	36.7	39.0	39.5	39.9	40.4	40.6	41.2	41.4	41.8	42.6				
GE	10000	18.3	25.9	28.8	32.8	37.8	39.7	41.1	43.4	43.9	44.3	44.8	45.2	45.8	46.3	46.8	47.5				
GE	9000	18.3	25.9	28.8	32.8	37.8	39.7	41.1	43.4	43.9	44.3	44.8	45.2	45.8	46.3	46.8	47.5				
GE	8000	19.0	27.6	30.6	35.1	40.2	42.3	43.8	46.3	46.8	47.2	47.8	48.2	48.8	49.4	49.8	50.5				
GE	7000	19.4	28.2	31.2	35.6	40.8	42.8	44.3	47.0	47.4	48.2	48.9	49.2	49.9	50.4	50.9	51.6				
GE	6000	19.7	28.8	32.2	36.7	42.4	44.6	46.1	48.8	49.2	50.1	51.0	51.3	51.9	52.5	52.9	53.7				
GE	5000	20.2	29.9	33.5	38.4	44.1	46.7	48.3	51.4	51.8	53.0	54.0	54.3	54.9	55.5	55.9	56.7				
GE	4500	20.4	30.5	34.2	39.2	45.3	48.0	49.6	53.0	53.5	55.1	56.0	56.3	57.0	57.5	58.0	58.7				
GE	4000	20.6	30.8	34.5	39.7	45.9	48.6	50.2	53.8	54.3	55.8	56.8	57.1	57.7	58.3	58.7	59.5				
GE	3500	21.2	31.8	35.6	40.9	47.3	50.1	51.7	55.3	55.8	57.4	58.4	58.7	59.4	59.9	60.3	61.1				
GE	3000	21.6	33.0	36.8	42.4	49.1	51.9	53.8	57.4	58.0	59.6	60.5	60.9	61.5	62.0	62.5	63.2				
GE	2500	21.6	33.3	37.4	43.2	50.1	52.9	54.8	58.5	59.0	60.6	61.6	61.9	62.6	63.1	63.5	64.3				
GE	2000	21.6	33.4	37.5	43.4	50.5	53.4	55.4	59.1	59.8	61.4	62.4	62.7	63.3	63.9	64.3	65.1				
GE	1800	21.7	33.9	38.1	44.1	51.4	54.3	56.3	60.3	61.0	62.7	63.7	64.0	64.6	65.2	65.6	66.3				
GE	1500	21.9	34.4	38.6	44.7	52.4	55.4	57.6	62.2	62.8	64.6	65.6	65.9	66.6	67.2	67.6	68.4				
GE	1200	22.2	34.8	39.0	45.2	53.5	56.7	59.0	64.0	64.6	66.5	67.4	67.7	68.4	69.0	69.5	70.2				
GE	1000	22.3	34.9	39.2	45.8	54.7	58.0	60.5	65.6	66.2	68.1	69.0	69.4	70.0	70.6	71.1	71.8				
GE	900	22.4	35.2	39.8	46.5	55.8	59.0	61.7	66.8	67.4	69.2	70.2	70.5	71.2	71.8	72.3	73.0				
GE	800	22.4	35.3	40.0	46.7	56.8	60.3	63.3	68.5	69.2	71.1	72.0	72.4	73.0	73.7	74.1	74.8				
GE	700	22.4	35.4	40.2	47.1	57.4	61.2	64.6	70.2	71.1	73.0	74.0	74.3	75.1	75.7	76.1	76.9				
GE	600	22.5	35.6	40.4	47.5	58.2	62.2	66.1	72.0	73.1	75.1	76.0	76.3	77.1	77.8	78.3	79.0				
GE	500	22.5	35.7	40.6	48.3	59.1	63.5	68.3	75.7	76.8	78.8	79.8	80.2	81.1	81.8	82.3	83.0				
GE	400	22.5	35.7	40.6	48.3	59.4	64.5	69.7	78.4	79.9	82.3	83.4	83.9	85.2	85.9	86.5	87.3				
GE	300	22.5	35.7	40.6	48.3	59.5	64.7	70.0	79.6	81.4	84.1	85.8	86.3	87.7	88.8	89.5	90.5				
GE	200	22.5	35.7	40.6	48.3	59.5	64.7	70.0	79.7	81.5	84.7	86.9	87.5	90.0	92.3	93.9	95.6				
GE	100	22.5	35.7	40.6	48.3	59.5	64.7	70.0	79.8	81.6	84.8	87.0	87.6	90.3	92.9	95.3	99.5				
GE	GI	22.5	35.7	40.6	48.3	59.5	64.7	70.0	79.8	81.6	84.8	87.0	87.6	90.3	92.9	95.3	100.0				

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	10	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	1	20.4	28.0	31.2	36.2	40.0	43.1	45.1	45.7	46.0	46.0	46.1	46.1	46.2	46.2	46.2	46.2
GE 20000	1	21.5	29.8	33.5	38.8	43.8	47.3	50.0	50.9	51.2	51.2	51.3	51.3	51.4	51.4	51.4	51.4
GE 18000	1	21.6	30.0	33.9	39.1	44.3	47.8	50.5	51.5	51.8	51.8	51.9	51.9	52.0	52.0	52.0	52.0
GE 16000	1	21.6	30.0	33.9	39.1	44.3	47.8	50.5	51.5	51.8	51.8	51.9	51.9	52.0	52.0	52.0	52.0
GE 14000	1	22.5	31.0	35.1	40.3	45.5	49.0	51.7	52.7	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2
GE 12000	1	22.7	31.5	35.6	40.9	46.0	49.6	52.4	53.4	53.8	53.8	53.9	53.9	54.0	54.0	54.0	54.0
GE 10000	1	25.6	35.7	39.8	45.3	50.8	54.4	57.5	58.6	58.9	58.9	59.0	59.0	59.1	59.1	59.1	59.1
GE 9000	1	25.8	36.0	40.1	45.7	51.5	55.2	58.3	59.4	59.7	59.7	59.8	59.8	59.9	59.9	59.9	59.9
GE 8000	1	27.2	37.8	42.0	48.2	54.1	57.7	61.0	62.0	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.6
GE 7000	1	27.5	38.2	42.4	48.5	54.4	58.1	61.3	62.4	62.7	62.7	62.8	62.8	62.9	62.9	63.1	63.1
GE 6000	1	27.7	38.5	42.8	49.0	55.2	58.8	62.0	63.2	63.5	63.5	63.7	63.7	63.8	64.0	64.0	64.0
GE 5000	1	28.1	39.2	43.8	50.0	56.1	60.2	63.7	64.9	65.3	65.3	65.4	65.4	65.5	65.7	65.7	65.7
GE 4500	1	28.8	40.4	45.1	51.3	57.6	61.7	65.3	66.7	67.0	67.1	67.2	67.2	67.3	67.5	67.5	67.5
GE 4000	1	29.4	41.9	46.9	53.3	60.1	64.4	68.1	69.5	69.8	70.0	70.1	70.1	70.2	70.4	70.4	70.4
GE 3500	1	29.5	42.3	47.2	53.7	60.6	65.2	68.9	70.8	71.1	71.3	71.4	71.4	71.5	71.7	71.7	71.7
GE 3000	1	30.0	44.2	49.2	56.0	63.5	68.1	71.8	74.0	74.3	74.5	74.6	74.6	74.7	74.9	74.9	74.9
GE 2500	1	30.1	44.5	49.7	56.6	64.3	69.0	72.8	74.9	75.3	75.5	75.6	75.6	75.7	75.9	75.9	75.9
GE 2000	1	30.5	45.3	50.8	57.8	65.8	70.9	74.6	76.8	77.3	77.5	77.6	77.7	77.8	78.1	78.1	78.1
GE 1800	1	30.6	45.5	51.1	58.2	66.1	71.2	74.9	77.1	77.6	77.8	78.0	78.1	78.2	78.4	78.4	78.4
GE 1500	1	30.6	45.8	51.4	58.9	67.1	72.2	76.1	78.3	78.8	79.0	79.1	79.2	79.4	79.6	79.6	79.6
GE 1200	1	31.1	46.7	52.6	60.6	70.0	75.3	79.5	81.6	82.2	82.4	82.5	82.6	82.7	82.9	82.9	82.9
GE 1000	1	31.2	47.0	53.0	61.2	71.0	76.2	80.5	82.8	83.3	83.7	83.8	83.9	84.0	84.2	84.2	84.2
GE 900	1	31.2	47.1	53.1	61.3	71.5	77.3	81.8	84.2	84.7	85.1	85.2	85.3	85.4	85.6	85.6	85.6
GE 800	1	31.2	47.2	53.4	62.0	72.3	78.2	82.9	85.5	86.0	86.3	86.5	86.6	86.7	86.9	86.9	86.9
GE 700	1	31.2	47.2	53.4	62.2	72.8	79.4	84.2	86.9	87.5	87.8	88.0	88.1	88.2	88.4	88.4	88.4
GE 600	1	31.2	47.3	53.7	62.4	73.4	80.1	85.6	88.9	89.6	90.0	90.1	90.2	90.3	90.5	90.5	90.5
GE 500	1	31.2	47.3	53.7	62.4	73.9	80.5	86.8	90.8	91.6	92.2	92.3	92.4	92.7	92.9	92.9	92.9
GE 400	1	31.2	47.3	53.7	62.5	74.4	81.2	87.7	91.8	93.1	93.9	94.0	94.1	94.4	94.6	94.6	94.6
GE 300	1	31.2	47.3	53.7	62.5	74.4	81.2	87.8	92.3	94.0	96.0	96.8	96.9	97.3	97.6	97.7	98.2
GE 200	1	31.2	47.3	53.7	62.5	74.4	81.2	88.0	92.4	94.3	96.5	97.2	97.3	98.0	98.5	98.6	99.1
GE 100	1	31.2	47.3	53.7	62.5	74.4	81.2	88.0	92.4	94.3	96.5	97.2	97.3	98.4	99.0	99.2	100.0
GE 0	1	31.2	47.3	53.7	62.5	74.4	81.2	88.0	92.4	94.3	96.5	97.2	97.3	98.4	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1800-2000

CEILING
IN FEET 1 10 6 5 4 3 2 1/2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0
VISIBILITY IN STATUTE MILES

NO CEIL	1	22.6	31.1	34.2	37.3	42.3	43.8	45.6	47.3	47.7	48.2	48.3	48.3	48.4	48.5	48.6	48.8
GE 20000	1	23.2	32.8	36.0	39.4	45.2	47.0	48.9	50.9	51.3	51.7	51.8	51.8	52.2	52.3	52.4	52.6
GE 18000	1	23.3	33.0	36.2	39.6	45.5	47.3	49.2	51.3	51.7	52.2	52.3	52.3	52.6	52.7	52.8	53.0
GE 16000	1	23.3	33.0	36.2	39.6	45.6	47.4	49.4	51.4	51.8	52.3	52.5	52.5	52.8	52.9	53.1	53.3
GE 14000	1	23.3	33.2	36.5	39.8	45.8	47.6	49.6	51.7	52.2	52.6	52.8	52.8	53.1	53.2	53.4	53.7
GE 12000	1	23.9	33.8	37.0	40.6	46.7	48.5	50.5	52.7	53.1	53.5	53.8	53.8	54.1	54.2	54.4	54.6
GE 10000	1	25.9	36.7	39.9	43.8	50.1	51.9	54.3	56.8	57.2	57.6	57.8	57.8	58.2	58.3	58.5	58.7
GE 9000	1	25.9	36.7	39.9	43.8	50.1	51.9	54.3	56.8	57.2	57.6	57.8	57.8	58.2	58.3	58.5	58.7
GE 8000	1	27.0	38.3	41.6	46.3	53.3	55.2	57.5	60.0	60.4	60.9	61.1	61.1	61.4	61.5	61.7	61.9
GE 7000	1	27.2	38.8	42.2	46.9	54.0	55.8	58.2	60.6	61.1	61.5	61.7	61.7	62.0	62.2	62.4	62.6
GE 6000	1	27.5	39.4	42.7	47.4	54.5	56.6	58.9	61.4	61.8	62.3	62.5	62.5	62.8	62.9	63.1	63.3
GE 5000	1	28.0	40.8	44.2	49.0	56.2	58.3	60.6	63.1	63.5	64.0	64.2	64.2	64.5	64.6	64.8	65.1
GE 4500	1	28.5	41.7	45.3	50.1	57.4	59.5	61.9	64.5	64.9	65.4	65.6	65.6	65.9	66.0	66.2	66.5
GE 4000	1	28.7	43.0	46.9	51.9	59.7	61.8	64.4	67.2	67.6	68.1	68.3	68.3	68.6	68.7	68.9	69.1
GE 3500	1	29.2	44.1	48.3	53.4	61.4	63.7	66.3	69.2	69.7	70.1	70.3	70.3	70.6	70.8	71.0	71.2
GE 3000	1	29.5	44.6	49.2	54.5	63.2	65.8	68.5	71.4	71.8	72.4	72.6	72.6	72.9	73.0	73.2	73.4
GE 2500	1	29.6	45.3	50.0	55.4	64.5	67.2	69.9	72.9	73.3	73.9	74.1	74.1	74.4	74.5	74.7	74.9
GE 2000	1	29.6	45.4	50.5	55.9	65.7	68.6	71.4	74.4	74.8	75.4	75.7	75.7	76.0	76.1	76.3	76.6
GE 1800	1	29.6	45.6	50.9	56.2	66.0	69.1	71.9	74.9	75.4	75.9	76.2	76.2	76.6	76.8	77.0	77.2
GE 1500	1	29.8	46.3	51.6	57.1	67.1	70.3	73.1	76.1	76.6	77.1	77.4	77.5	77.8	78.1	78.3	78.5
GE 1200	1	30.0	47.6	53.0	58.7	69.2	72.9	76.0	79.0	79.6	80.1	80.4	80.5	80.9	81.1	81.3	81.5
GE 1000	1	30.0	48.1	53.8	59.6	70.2	73.9	77.0	80.0	80.8	81.3	81.6	81.7	82.0	82.3	82.5	82.7
GE 900	1	30.0	48.2	54.1	60.0	71.3	75.1	78.3	81.4	82.2	82.7	83.0	83.1	83.4	83.7	83.9	84.1
GE 800	1	30.0	48.5	54.4	60.3	71.7	75.7	78.9	82.0	82.9	83.4	83.8	83.9	84.2	84.4	84.6	84.8
GE 700	1	30.0	48.7	54.6	60.5	72.4	76.6	80.0	83.1	84.0	84.5	84.8	84.9	85.3	85.5	85.7	85.9
GE 600	1	30.0	48.8	54.7	60.6	72.8	77.3	81.1	84.2	85.1	85.6	85.9	86.0	86.3	86.6	86.8	87.0
GE 500	1	30.0	48.9	54.8	60.6	72.9	77.5	82.0	85.3	86.1	86.7	87.0	87.1	87.4	87.6	87.8	88.1
GE 400	1	30.0	49.1	55.2	61.1	73.5	78.3	83.4	87.0	88.0	88.5	88.8	88.9	89.2	89.5	89.7	90.0
GE 300	1	30.0	49.1	55.2	61.1	73.7	78.6	84.3	88.2	89.2	90.6	91.0	91.1	91.7	92.0	92.3	93.0
GE 200	1	30.0	49.1	55.2	61.1	73.7	78.6	84.5	88.8	90.0	91.7	92.6	92.7	93.5	94.1	94.6	95.8
GE 100	1	30.0	49.1	55.2	61.1	73.7	78.6	84.5	88.8	90.0	91.8	92.8	92.9	94.0	94.8	96.3	99.1
GE 0	1	30.0	49.1	55.2	61.1	73.7	78.6	84.5	88.8	90.0	91.8	92.8	92.9	94.0	94.8	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHEW AFB GA
PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES																							
IN FEET		1	GE	6	GE	5	GE	4	GE	3	2 1/2	GE	2	1 1/2	1 1/4	GE	3/4	GE	5/8	1/2	GE	1/4	GE		
		10	GE	10	GE	10	GE	10	GE	10	GE	10	GE	10	GE	10	GE	10	GE	10	GE	10	GE		
NO CEIL	18.4	28.2	30.2	33.5	38.9	40.0	42.9	44.6	44.9	45.5	45.8	46.5	46.8	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7		
GE 20000	19.5	30.3	32.4	35.9	41.9	43.1	46.0	47.7	48.1	48.6	48.9	49.6	49.9	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9		
GE 18000	19.6	30.4	32.5	36.0	42.0	43.2	46.1	47.8	48.2	48.7	49.0	49.7	50.0	50.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0		
GE 16000	19.6	30.4	32.5	36.0	42.0	43.2	46.1	47.8	48.2	48.7	49.0	49.7	50.0	50.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0		
GE 14000	20.0	31.0	33.0	36.6	42.6	43.6	46.7	48.4	48.7	49.2	49.6	50.2	50.5	51.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5		
GE 12000	20.3	31.8	33.9	37.4	43.4	44.6	47.5	49.2	49.6	50.1	50.4	51.1	51.4	51.8	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4		
GE 10000	21.0	33.5	35.6	39.7	45.6	47.0	50.2	52.0	52.5	53.1	53.4	54.3	54.6	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6		
GE 9000	21.1	33.8	35.8	39.9	46.0	47.2	50.4	52.3	52.7	53.3	53.7	54.5	54.8	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8		
GE 8000	22.0	35.1	37.1	41.5	48.1	49.4	52.7	54.5	54.9	55.6	55.9	56.8	57.1	57.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1		
GE 7000	22.8	35.8	37.8	42.3	48.8	50.0	53.4	55.3	55.7	56.3	56.7	57.5	57.8	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8		
GE 6000	23.2	37.1	39.2	43.7	50.1	51.7	55.2	57.0	57.4	58.1	58.4	59.2	59.6	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5		
GE 5000	23.8	38.0	40.3	44.7	51.6	52.8	56.2	58.1	58.5	59.1	59.5	60.3	60.6	61.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6		
GE 4500	24.2	38.9	41.4	45.9	52.4	54.1	57.5	59.4	59.8	60.4	60.8	61.6	61.9	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9		
GE 4000	24.6	40.4	43.5	48.2	55.1	56.8	60.4	62.3	62.7	63.3	63.7	64.5	64.8	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8		
GE 3500	25.3	41.8	45.3	50.0	57.4	58.7	62.4	64.2	64.6	65.3	65.6	66.7	67.0	67.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0		
GE 3000	25.8	42.7	46.2	51.1	59.1	60.4	64.1	65.9	66.3	67.0	67.3	68.4	68.7	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7		
GE 2500	25.9	43.3	47.1	51.9	60.1	61.4	65.1	66.9	67.3	68.0	68.3	69.4	69.7	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6		
GE 2000	25.9	43.9	48.1	53.1	61.7	63.0	66.7	68.7	69.1	69.8	70.1	71.2	71.5	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5		
GE 1800	25.9	44.1	48.3	53.3	61.9	63.2	66.9	68.9	69.4	70.0	70.3	71.4	71.7	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7		
GE 1500	25.9	44.2	48.6	54.3	63.4	64.7	68.4	70.4	70.9	71.5	71.8	72.9	73.3	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3		
GE 1200	25.9	45.1	49.8	55.8	65.6	67.2	71.1	73.2	73.7	74.3	74.6	75.7	76.1	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1		
GE 1000	25.9	45.4	50.2	56.3	66.2	68.0	71.9	74.3	74.8	75.6	75.9	77.1	77.5	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5		
GE 900	25.9	45.7	50.6	56.8	66.7	68.4	72.4	74.9	75.5	76.2	76.6	77.7	78.2	78.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1		
GE 800	25.9	45.7	50.8	57.0	66.9	68.6	72.6	75.3	75.8	76.6	76.9	78.1	78.5	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5		
GE 700	25.9	45.9	51.0	57.3	67.4	69.4	73.7	76.7	77.2	78.0	78.3	79.5	79.9	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9		
GE 600	25.9	46.5	51.7	58.1	68.5	70.5	75.2	78.3	78.9	79.7	80.0	81.3	81.8	82.5	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0		
GE 500	25.9	46.5	51.7	58.4	69.2	71.6	76.8	80.2	80.9	81.6	81.9	83.2	83.8	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9		
GE 400	25.9	46.8	52.3	58.9	70.4	73.3	78.7	83.0	83.7	84.4	84.7	86.0	86.6	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7		
GE 300	25.9	46.8	52.3	59.1	71.3	74.0	79.7	84.1	84.8	85.6	85.9	87.6	88.2	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4		
GE 200	25.9	46.8	52.3	59.1	71.2	74.2	79.9	84.5	85.4	86.2	86.7	88.0	88.6	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0		
GE 100	25.9	46.8	52.3	59.1	71.2	74.2	79.9	84.6	85.6	86.5	87.2	87.4	88.5	89.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3		
GE 0	25.9	46.8	52.3	59.1	71.2	74.2	79.9	84.6	85.6	86.5	87.2	87.4	88.5	89.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING		VISIBILITY IN STATUTE MILES																ALL			
IN FEET	10	GE		GE		GE		GE		GE		GE		GE		GE		GE		GE	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEIL	17.2	25.0	27.6	30.5	34.5	36.2	38.0	39.7	40.1	40.6	40.8	40.9	41.2	41.3	41.6	42.2					
GE 20000	18.4	27.1	29.8	33.0	37.7	39.6	41.6	43.5	43.9	44.4	44.7	44.8	45.1	45.3	45.6	46.2					
GE 16000	18.5	27.2	30.0	33.1	38.0	39.8	41.9	43.7	44.2	44.7	45.0	45.0	45.3	45.5	45.8	46.5					
GE 14000	18.5	27.2	30.0	33.1	38.0	39.9	41.9	43.8	44.2	44.7	45.0	45.1	45.4	45.6	45.9	46.5					
GE 12000	19.4	28.7	31.6	34.9	39.9	41.8	43.9	45.9	46.3	46.8	47.1	47.2	47.5	47.7	48.1	48.7					
GE 10000	21.1	31.4	34.5	38.0	43.4	45.4	47.7	49.8	50.3	50.8	51.2	51.2	51.6	51.9	52.2	52.9					
GE 9000	21.2	31.5	34.6	38.1	43.6	45.6	47.8	49.9	50.4	51.0	51.3	51.4	51.8	52.1	52.4	53.1					
GE 8000	22.1	32.9	36.1	40.0	45.6	47.6	49.9	52.1	52.6	53.2	53.5	53.6	54.0	54.3	54.6	55.3					
GE 7000	22.4	33.3	36.5	40.4	46.1	48.2	50.5	52.7	53.2	53.9	54.3	54.3	54.7	55.0	55.4	56.0					
GE 6000	22.8	34.1	37.5	41.5	47.4	49.5	51.9	54.1	54.6	55.3	55.7	55.8	56.2	56.5	56.8	57.5					
GE 5000	23.3	35.4	39.0	43.1	49.2	51.5	54.0	56.3	56.9	57.6	58.0	58.1	58.5	58.8	59.1	59.8					
GE 4500	23.6	36.5	40.2	44.4	50.8	53.1	55.7	58.1	58.6	59.4	59.9	59.9	60.3	60.6	61.0	61.7					
GE 4000	24.2	37.6	41.6	46.0	52.8	55.1	57.7	60.2	60.7	61.5	62.0	62.1	62.4	62.8	63.1	63.8					
GE 3500	24.6	38.5	42.7	47.1	54.0	56.5	59.1	61.6	62.2	63.0	63.5	63.5	64.0	64.3	64.6	65.3					
GE 3000	25.1	39.9	44.3	48.9	56.2	58.7	61.5	64.1	64.6	65.5	65.9	66.0	66.4	66.7	67.1	67.8					
GE 2500	25.2	40.4	44.9	49.6	57.1	59.7	62.5	65.1	65.7	66.5	67.0	67.1	67.5	67.8	68.2	68.8					
GE 2000	25.4	41.0	45.8	50.8	58.5	61.2	64.0	66.7	67.3	68.2	68.7	68.8	69.2	69.5	69.9	70.5					
GE 1800	25.5	41.3	46.1	51.1	58.9	61.6	64.5	67.2	67.8	68.7	69.2	69.3	69.7	70.0	70.4	71.0					
GE 1500	25.6	41.7	46.7	52.0	60.1	62.8	65.7	68.6	69.2	70.1	70.6	70.7	71.2	71.5	71.9	72.5					
GE 1200	25.7	42.4	47.7	53.2	61.8	64.7	67.8	70.8	71.4	72.3	72.8	73.0	73.4	73.8	74.1	74.8					
GE 1000	25.8	42.7	48.1	53.9	63.0	66.0	69.1	72.3	72.9	73.8	74.4	74.5	75.0	75.4	75.7	76.4					
GE 900	25.8	42.8	48.4	54.2	63.6	66.8	70.0	73.3	73.9	74.9	75.4	75.6	76.0	76.4	76.7	77.4					
GE 800	25.8	43.0	48.7	54.6	64.2	67.5	70.9	74.3	74.9	75.9	76.5	76.6	77.1	77.5	77.8	78.5					
GE 700	25.8	43.2	48.9	54.9	64.8	68.3	71.9	75.4	76.2	77.1	77.7	77.8	78.3	78.7	79.0	79.7					
GE 600	25.8	43.4	49.2	55.2	65.5	69.3	73.3	77.2	78.0	79.0	79.7	79.8	80.3	80.7	81.1	81.8					
GE 500	25.8	43.5	49.4	55.7	66.4	70.5	75.0	79.5	80.4	81.5	82.2	82.3	82.9	83.3	83.7	84.4					
GE 400	25.8	43.8	49.6	56.1	67.1	71.6	76.5	81.7	82.9	84.3	85.1	85.2	85.9	86.3	86.7	87.6					
GE 300	25.8	43.8	49.6	56.2	67.5	72.1	77.3	83.0	84.6	86.7	87.8	88.0	88.9	89.4	90.0	91.0					
GE 200	25.8	43.8	49.6	56.2	67.5	72.1	77.4	83.4	85.1	87.5	89.0	89.3	90.9	91.9	92.9	94.7					
GE 100	25.8	43.8	49.6	56.2	67.5	72.2	77.4	83.4	85.1	87.6	89.2	89.6	91.3	92.7	94.6	98.7					
GE 0	25.8	43.8	49.6	56.2	67.5	72.2	77.4	83.4	85.1	87.6	89.2	89.6	91.3	92.7	94.6	100.0					

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

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

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	GE	10	GE	5	GE	4	GE	3	2	1	1/2	1	1/4	GE	3/4	5/8	1/2	5/16	1/4	GE
NO CEIL	1	56.5	61.5	65.9	66.8	67.8	68.1	68.4	68.7	68.8	68.9	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.2
GE 20000	1	60.0	68.7	70.2	71.3	72.5	72.8	73.1	73.4	73.5	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9	74.0
GE 18000	1	60.2	69.1	70.6	71.7	72.8	73.1	73.5	73.8	73.9	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.4
GE 16000	1	60.4	69.2	70.7	71.8	73.0	73.3	73.6	74.0	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.6
GE 14000	1	61.4	70.5	72.0	73.2	74.4	74.7	75.1	75.5	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	76.0	76.1
GE 12000	1	62.7	72.1	73.7	74.9	76.2	76.5	77.0	77.3	77.4	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.9
GE 10000	1	64.9	74.8	76.5	77.9	79.2	79.6	80.1	80.4	80.5	80.7	80.7	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.1	81.1
GE 9000	1	65.0	75.0	76.7	78.1	79.4	79.8	80.3	80.7	80.7	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.3
GE 8000	1	66.3	76.6	78.5	79.9	81.4	81.8	82.2	82.6	82.7	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.3
GE 7000	1	66.7	77.1	78.9	80.4	81.9	82.3	82.8	83.2	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.9
GE 6000	1	67.2	77.8	79.7	81.2	82.8	83.2	83.7	84.1	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.8
GE 5000	1	68.0	79.0	81.0	82.5	84.2	84.6	85.2	85.6	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.4
GE 4500	1	68.8	80.2	82.3	83.8	85.5	86.0	86.5	87.0	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.8
GE 4000	1	69.5	81.4	83.6	85.2	87.0	87.5	88.1	88.5	88.6	88.8	88.9	88.9	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.3
GE 3500	1	69.9	82.0	84.2	85.9	87.8	88.3	88.8	89.3	89.4	89.6	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.1
GE 3000	1	70.6	83.2	85.6	87.4	89.4	89.9	90.5	91.1	91.2	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.9
GE 2500	1	70.7	83.5	85.9	87.8	89.8	90.3	91.0	91.5	91.6	91.8	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.3
GE 2000	1	70.9	83.9	86.5	88.4	90.5	91.1	91.7	92.3	92.4	92.6	92.7	92.7	92.8	92.8	92.9	92.9	92.9	93.0	93.0	93.1
GE 1800	1	71.0	84.0	86.6	88.5	90.6	91.2	91.9	92.4	92.6	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.3
GE 1500	1	71.1	84.3	87.0	89.0	91.2	91.8	92.5	93.1	93.2	93.4	93.5	93.5	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.9
GE 1200	1	71.2	84.7	87.4	89.4	91.8	92.4	93.1	93.7	93.9	94.1	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.6
GE 1000	1	71.3	84.8	87.6	89.7	92.1	92.8	93.6	94.2	94.3	94.6	94.7	94.7	94.8	94.8	94.9	94.9	94.9	94.9	95.1	95.1
GE 900	1	71.3	84.9	87.7	89.8	92.3	93.0	93.9	94.5	94.7	94.9	95.0	95.0	95.1	95.1	95.2	95.2	95.3	95.3	95.4	95.4
GE 800	1	71.3	85.0	87.8	90.0	92.5	93.2	94.1	94.8	94.9	95.1	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.7	95.7
GE 700	1	71.3	85.0	87.9	90.1	92.7	93.5	94.4	95.1	95.3	95.5	95.6	95.6	95.8	95.8	95.8	95.8	95.9	95.9	96.1	96.1
GE 600	1	71.3	85.1	88.0	90.2	92.9	93.7	94.7	95.5	95.6	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.5	96.5
GE 500	1	71.3	85.1	88.0	90.3	93.1	94.0	95.1	96.0	96.2	96.4	96.6	96.6	96.7	96.7	96.8	96.8	96.9	96.9	97.1	97.1
GE 400	1	71.4	85.2	88.1	90.3	93.2	94.2	95.4	96.4	96.7	97.0	97.2	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.7	97.7
GE 300	1	71.4	85.2	88.1	90.4	93.3	94.3	95.6	96.7	97.0	97.4	97.7	97.7	97.9	97.9	98.0	98.0	98.2	98.2	98.4	98.4
GE 200	1	71.4	85.2	88.1	90.4	93.3	94.3	95.6	96.8	97.1	97.6	97.9	98.0	98.3	98.3	98.5	98.5	98.7	98.7	99.1	99.1
GE 100	1	71.4	85.2	88.1	90.4	93.3	94.3	95.6	96.8	97.2	97.7	98.0	98.0	98.4	98.4	98.7	98.7	99.0	99.0	99.8	99.8
GE	0	71.4	85.2	88.1	90.4	93.3	94.3	95.6	96.8	97.2	97.7	98.0	98.0	98.4	98.4	98.7	98.7	99.1	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 87640

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	19.2			12.6						15.1	53.1	7.0	840
03-05	17.4			11.6						15.1	55.7	7.3	903
06-08	8.0			18.6						17.1	56.4	7.7	903
09-11	6.9			18.3						19.0	55.9	7.8	918
12-14	6.3			19.9						23.2	50.6	7.7	921
15-17	5.7			22.8						26.2	45.2	7.6	922
18-20	14.1			21.9						17.7	46.3	6.9	912
21-23	19.6			16.6						15.4	48.5	6.7	899
TOTALS	12.2			17.6						18.6	51.5	7.3	7268

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	27.0			21.3						16.8	34.9	5.6	827
03-05	26.9			20.7						15.7	36.7	5.7	829
06-08	9.3			31.9						22.0	36.9	6.6	838
09-11	5.2			30.5						27.3	37.0	7.1	840
12-14	4.0			30.1						29.5	36.3	7.2	840
15-17	2.6			29.6						31.4	36.3	7.3	837
18-20	12.4			31.2						23.1	33.3	6.3	845
21-23	22.7			25.0						19.6	32.6	5.8	840
TOTALS	13.8			27.5						23.2	35.5	6.5	6696

FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	32.8			21.1						17.6	28.5	5.1	927
03-05	31.1			22.9						15.2	30.8	5.1	926
06-08	8.2			35.2						24.2	32.4	6.5	924
09-11	6.9			31.0						30.4	31.7	6.8	928
12-14	5.2			31.2						32.3	31.3	7.0	929
15-17	3.3			35.2						31.8	29.7	6.9	927
18-20	11.8			36.0						25.8	26.4	6.0	927
21-23	28.9			27.2						17.7	26.2	5.0	927
TOTALS	16.0			30.0						24.4	29.6	6.1	7415

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	46.1			20.9						15.6	17.4	3.8	900
03-05	36.0			29.6						17.7	16.8	4.2	900
06-08	15.4			37.6						25.2	21.6	5.6	900
09-11	12.1			36.8						26.9	24.1	5.9	899
12-14	8.2			37.4						30.4	23.9	6.3	900
15-17	6.3			41.3						30.2	22.1	6.2	900
18-20	17.9			37.6						26.5	18.0	5.3	899
21-23	42.1			23.4						19.2	15.2	4.0	900
TOTALS	23.0			33.1						24.0	19.9	5.2	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	58.1			22.5						12.4	7.1	2.5	930
03-05	42.4			33.2						14.6	9.8	3.3	930
06-08	26.2			40.5						22.1	11.2	4.3	928
09-11	20.8			44.9						23.7	10.6	4.5	930
12-14	12.6			51.5						21.5	14.4	4.9	929
15-17	10.7			51.9						24.6	12.8	5.1	928
18-20	19.0			50.5						22.6	7.8	4.3	930
21-23	51.8			30.4						12.5	5.3	2.6	930
TOTALS	30.2			40.7						19.3	9.9	3.9	7435

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													TOTAL
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	OBS
00-02	60.1			23.3						11.8	4.8	2.2	900
03-05	42.3			35.1						16.0	6.6	3.1	900
06-08	30.9			43.0						18.0	8.1	3.7	900
09-11	27.3			51.2						14.3	7.1	3.5	900
12-14	16.9			62.9						14.8	5.3	3.8	898
15-17	11.3			64.9						17.7	6.1	4.1	900
18-20	20.0			54.4						19.9	5.7	4.0	900
21-23	50.2			34.0						13.3	2.4	2.5	900
TOTALS	32.4			46.1						15.7	5.8	3.4	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: JUL

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	73.0			17.3						7.6	2.0	1.4	930
03-05	55.2			33.8						9.1	1.9	2.0	930
06-08	43.0			40.6						14.1	2.3	2.7	930
09-11	45.2			41.1						11.5	2.3	2.5	928
12-14	30.8			53.4						12.3	3.6	3.1	929
15-17	27.7			57.1						11.3	4.0	3.1	929
18-20	34.6			51.9						11.0	2.5	2.8	930
21-23	69.4			21.6						7.5	1.5	1.5	930
TOTALS	47.4			39.6						10.6	2.5	2.4	7436

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: AUG

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	68.5			22.0						7.6	1.8	1.5	930
03-05	55.6			33.3						8.7	2.4	2.0	930
06-08	33.2			52.0						13.4	1.3	2.9	930
09-11	34.5			50.4						13.5	1.5	2.9	930
12-14	25.4			57.3						13.9	3.4	3.3	930
15-17	18.7			63.9						14.0	3.4	3.5	930
18-20	32.4			52.3						13.8	1.6	3.0	930
21-23	65.3			25.8						8.0	1.0	1.6	930
TOTALS	41.7			44.6						11.6	2.1	2.6	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: SEP

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	65.9			19.4						8.8	5.9	2.0	900
03-05	60.7			21.6						12.2	5.6	2.3	900
06-08	33.8			42.4						18.1	5.7	3.5	899
09-11	32.7			44.4						17.4	5.4	3.4	900
12-14	22.7			53.1						17.3	6.9	3.8	900
15-17	20.9			56.2						17.3	5.6	3.8	898
18-20	38.0			42.3						15.7	4.0	3.1	897
21-23	60.9			23.7						10.9	4.6	2.1	900
TOTALS	42.0			37.9						14.7	5.5	3.0	7194

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: OCT

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	57.3			19.7						13.3	9.7	2.8	922
03-05	57.9			19.8						10.9	11.5	2.7	916
06-08	24.7			44.1						21.7	9.5	4.2	914
09-11	29.6			36.0						24.9	9.5	4.3	915
12-14	23.0			41.9						23.9	11.2	4.5	928
15-17	22.0			44.9						21.3	11.8	4.4	924
18-20	36.4			35.2						17.6	10.8	3.7	924
21-23	53.8			21.3						13.3	11.7	3.0	927
TOTALS	38.1			32.9						18.4	10.7	3.7	7370

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	34.5			21.9						15.4	28.2	4.9	887
03-05	34.9			22.2						13.1	29.8	4.8	877
06-08	13.1			34.9						20.8	31.2	6.0	876
09-11	10.9			28.0						27.8	33.4	6.7	890
12-14	9.6			29.1						27.3	33.9	6.7	896
15-17	6.9			36.2						26.7	30.3	6.5	899
18-20	20.2			31.4						19.9	28.6	5.6	896
21-23	29.8			25.6						16.7	27.9	5.1	888
TOTALS	20.0			28.7						21.0	30.4	5.8	7109

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	23.0			13.7						12.6	50.6	6.6	873
03-05	20.7			11.5						11.8	56.0	7.0	882
06-08	9.6			17.5						16.6	56.4	7.7	876
09-11	5.7			18.4						21.0	54.9	7.9	884
12-14	4.9			25.8						19.4	49.9	7.5	902
15-17	4.5			30.2						22.3	42.9	7.2	904
18-20	17.0			23.9						13.8	45.2	6.5	904
21-23	25.4			13.1						14.2	47.2	6.4	885
TOTALS	13.9			19.3						16.5	50.4	7.1	7110

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-87
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL
(LST)													OBS
JAN	12.2			17.8						18.6	51.5	7.3	7268
FEB	13.8			27.5						23.2	35.5	6.5	6696
MAR	16.0			30.0						24.4	29.6	6.1	7415
APR	23.0			33.1						24.0	19.9	5.2	7198
MAY	30.2			40.7						19.3	9.9	3.9	7435
JUN	32.4			46.1						15.7	5.8	3.4	7198
JUL	47.4			39.6						10.6	2.5	2.4	7436
AUG	41.7			44.6						11.6	2.1	2.6	7440
SEP	42.0			37.9						14.7	5.5	3.0	7194
OCT	38.1			32.9						18.4	10.7	3.7	7370
NOV	20.0			28.7						21.0	30.4	5.8	7109
DEC	13.9			19.3						16.5	50.4	7.1	7110
TOTALS	27.6			33.2						18.2	21.2	4.8	86869

PPPPPPPP
PPPPPPPP
PP PP
PP PP
PPPPPPPP
PPPPPPPP
PP
PP
PP

AAAAA
AAAAAA
AA AA
AA AA
AA AA
AAAAAA
AAAAAA
AA AA
AA AA
AA AA

RRRRRRR
RRRRRRRR
RR RR
RR RR
RRRRRRR
RRRRRRR
RR RR
RR RR
RR RR
RR RR

TTTTTTTT
TTTTTTTT
TT
TT
TT
TT
TT
TT
TT
TT

EEEEEEEE
EEEEEEEE
EE
EE
EEEE
EEEE
EE
EE
EEEEEEEE
EEEEEEEE

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES
DATA DERIVED FROM SUMMARY OF DAY DATA.

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

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

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

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

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

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

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

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

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

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

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/WAC

STATION NUMBER: 724835

STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 1101						1.7	2.9	2.0	.1				.1
GE 1051					.7	9.0	15.8	11.9	.7				.6
GE 1001					4.2	20.4	41.8	32.4	19.0	.1			3.6
GE 951						36.0	69.2	60.2	38.9	1.7			10.0
GE 901				.6	14.1	56.6	86.5	81.4	60.9	6.3			18.8
GE 851			1.0	4.8	27.6	77.6	95.1	93.3	78.1	17.3	.1		28.0
GE 801		.5	6.8	15.7	46.1	90.4	98.9	98.4	91.4	34.6	1.5		37.0
GE 751				31.3	64.2	97.4	99.9	99.7	97.7	57.7	7.4		45.6
GE 701	2.2	4.2	18.8	50.4	81.7	99.4	100.0	99.9	97.7	79.5	18.6	.4	54.0
GE 651	15.3	17.9	40.5	72.8	94.5	99.9		100.0	99.6	93.0	39.6	2.7	63.5
GE 601	38.5	46.4	69.2	88.6	98.5	100.0			100.0	98.6	65.0	16.8	74.7
GE 551	70.8	78.6	91.5	97.5	99.9					100.0	87.7	45.7	86.4
GE 501	89.9	94.2	98.9	99.9	100.0						97.4	74.5	94.5
GE 451	97.7	99.2	99.9	100.0							99.6	90.7	98.2
GE 401	99.9	100.0	100.0								100.0	97.7	99.6
GE 351												99.6	100.0
GE 301												100.0	100.0

MEAN	52.7	59.1	63.3	70.1	78.5	86.3	92.5	90.9	86.7	76.4	62.8	53.4	72.7
SD	6.299	5.955	6.837	8.538	9.287	9.150	7.155	7.226	8.583	8.226	7.403	6.393	15.885
TOTAL OBS	1426	1271	1395	1320	1373	1350	1395	1395	1355	1426	1380	1426	16512

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 41-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 75I						.2	.3	.3	.1				.1
GE 70I						1.9	4.5	2.7	1.4				.9
GE 65I					.9	8.3	17.6	14.8	7.8	.1			4.1
GE 60I				.2	5.8	25.9	51.8	45.7	32.0	4.6	.1	.1	13.9
GE 55I	1.1	1.3	1.1	4.6	24.3	65.9	91.5	91.6	74.1	25.8	3.2	.8	32.2
GE 50I	5.8	11.1	13.0	26.7	68.0	94.7	99.9	100.0	96.2	65.9	19.1	5.9	50.6
GE 45I	18.7	29.6	42.4	65.8	93.4	99.6	100.0		99.6	91.0	46.1	20.6	67.2
GE 40I	39.7	62.1	79.6	92.7	99.7	100.0			100.0	98.4	74.6	46.8	82.7
GE 35I	69.7	89.0	96.5	99.7	100.0					99.9	93.5	76.8	93.7
GE 30I	78.3	94.6	98.4	100.0						99.9	97.8	85.7	96.1
GE 25I	90.7	98.7	99.8							100.0	99.5	94.7	98.6
GE 20I	99.2	100.0	100.0								100.0	99.4	99.9
	100.0											100.0	100.0
MEAN	38.2	41.5	43.5	46.5	51.5	56.8	63.2	59.7	57.5	51.2	43.8	39.2	49.1
SD	6.709	5.860	5.081	4.667	4.799	5.108	4.640	4.285	4.860	5.045	6.009	6.297	9.415
TOTAL OBS	1426	1271	1395	1320	1373	1350	1395	1395	1355	1426	1379	1426	16511

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 728835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 41-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 90I						.4	.7	.2	.4				.1
GE 85I					.1	4.2	7.5	5.3	2.0				1.6
GE 80I					2.0	14.6	29.8	22.1	12.9				6.8
GE 75I				.2	9.0	31.1	63.2	54.7	35.1	.6			16.5
GE 70I			.1	3.3	24.8	60.0	89.9	88.0	65.0	4.6			29.1
GE 65I	.8	3.3	1.6	15.5	51.5	87.3	99.3	99.1	90.0	17.0	2.1		41.0
GE 60I	5.9	20.1	41.1	73.2	81.1	98.6	100.0	99.9	98.6	77.6	14.2	.5	52.4
GE 55I	23.8	57.4	78.2	95.2	96.8	99.9	100.0	100.0	100.0	95.9	42.8	6.0	65.1
GE 50I	55.8	89.6	97.8	99.9	99.9	100.0				99.4	75.3	28.7	79.6
GE 45I	87.4	99.0	99.9	100.0	100.0					100.0	94.3	63.8	91.6
GE 40I	98.2	100.0									99.8	50.5	98.0
GE 35I	100.0										100.0	98.9	99.8
GE 30I												99.8	100.0
GE 25I												100.0	100.0
MEAN	45.6	50.5	53.6	56.4	65.2	71.7	76.5	75.5	72.3	64.0	53.5	46.5	61.1
SD	5.494	4.847	4.947	5.785	6.425	6.651	5.405	5.220	6.073	5.825	5.544	5.299	12.215
TOTAL OBS	1426	1271	1395	1320	1373	1350	1395	1395	1355	1426	1379	1426	16511

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

WHOLE DEGREES FAHRENHEIT

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

ALL MONTHS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41	64	67	78	77	94	107	109	101	89	90	78	66	109
42	62	76	75	79	99	101	106	100	100	93	78	65	106
43	65	64	80	80	93	100	101	107	109	96	76	71	109
44	65	67	76	92	91	105	108	101	102	94	79	62	106
45	61	74	78	90	88	101	103	105	97	88	69	61	104
46	65	66	72	76	86	98	106	98	101	96	68	61	106
47	58	68	69	87	97	103	102	99	103	91	84	61	103
48	66	71	60	90	102	108	109	110	111	94	80	68	111
49	60	70	78	92	100	100	103	104	102	91	79	63	104
50	61	70	82	83	96	98	104	101	102	101	81	63	104
51	69	71	80	87	87	98	103	100	104	93	77	69	104
52	60	74	74	88	95	104	108	93	96	91	75	64	108
53	58	66	81	79	94	102	102	105	108	89	81	64	108
54	57	65	78	84	96	106	102	100	98	89	78	70	106
55	61	73	79	90	94	106	102	102	104	78	70	63	106
56	63	70	66	84	94	98	101	102	103	96	80	70	103
57	67	73	75	88	91	105	105	103	97	89	75	70	105
58	64	63	81	84	96	108	107	101	99	84	82	62	108
59	62	67	74	86	82	111	108	103	97	96	76	64	111
60	64	60	72	86	88	102	102	101	94	89	78	63	102
61	62	72	71	73	90	99	98	99	102	96	70	53	102
62	61	75	78	87	89	103	102	100	100	95	71	66	103
63	59	71	75	89	93	95	100	98	91	90	75	57	100
64	67	65	84	86	94	105	103	107	102	90	85	64	107
65	65	70	68	65	99	104	103	106	99	90	82	72	106
66	63	73	79	88	93	103	105	105	95	85	73	63	105
67	61	63	79	82	101	97	107	107	103	88	80	68	107
68	67	73	82	85	98	104	107	107	101	97	75	60	107

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

CONTINUED ON NEXT PAGE....

USAF/ATC

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724035 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

WHOLE DEGREES FAHRENHEIT

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
71	63	68	79	80	85	98	101	107	103	93	74	59	107
72	57	66	81	85	99	110	112	104	92	87	71	59	112
73	57	63	64	86	97	104	102	99	94	82	65	62	104
74	63	67	75	85	100	102	102	102	101	97	73	61	102
75	62	73	70	80	95	105	109	104	101	92	76	65	109
76	72	71	79	89	100	106	104	105	104	89	80	64	106
77	60	75	73	85	95	103	107	101	101	88	72	64	107
78	61	69	76	81	95	104	103	113	96	94	76	61	113
79	60	64	73	74	96	100	104	102	103	92	68	66	104
80	65	64	70	81	94	103	109	106	97	100	77	63	109
81	63	69	70	93	94	103	101	106	95	82	74	62	106
82	57	67	66	80	99	95	100	100	97	84	68	60	100
83	61	64	69	75	93	95	104	103	102	82	70	59	104
84	65	64	73	82	102	98	105	105	104	88	71	60	105
85	56	75	74	87	92	103	103	95	95	94	83	61	103
86	64	71	78	87	96	105	101	102	97	88	81	65	105
87	66	70	76										
MEAN	62.6	68.9	75.3	83.8	94.7	102.4	104.2	102.6	100.2	90.7	75.6	63.5	105.9
S.D.	3.587	3.988	4.819	5.696	4.610	3.834	3.052	3.749	4.276	4.899	4.888	3.817	2.970
TOTAL OBS	1426	1271	1395	1320	1373	1350	1395	1395	1355	1426	1380	1426	16512

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

STATION NUMBER: 720035 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 41-87

WHOLE DEGREES FAHRENHEIT

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

ALL MONTHS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41									51	44	32	33	
42	26	32	35	39	40	49	56	54	52	44	34	30	26
43	25	30	36	40	40	45	51	52	51	38	32	31	25
44	29	33	31	35	42	44	53	53	49	48	33	31	29
45	26	31	32	34	42	41	52	50	46	45	31	29	26
46	29				50	47	54	53	51	31	32	29	
47	27	34	34	38	42	48	53	52	46	43	28	29	27
48	27	26	30	38	40	49	50	54	44	37	30	25	25
49	22	25	32	41	46	52	53	55	52	36	41	27	22
50	25	28	32	43	38	45	55	52	45	43	43	35	25
51	29	31	30	39	44	48	51	54	51	45	35	30	29
52	27	34	33	41	42	43	55	53	52	45	27	31	27
53	32	32	32	35	42	46	55	53	50	44	36	34	32
54	30	34	33	41	41	47	56	53	50	40	31	30	30
55	30	30	34	34	45	48	52	53	49	45	35	34	30
56	32	30	32	39	47	49	54	54	53	36	34	28	28
57	28	30	37	43	47	53	54	53	54	46	36	32	28
58	34	38	34	39	47	54	57	60	49	48	30	37	30
59	30	33	40	43	44	53	56	53	50	46	39	28	28
60	27	34	38	41	43	53	53	53	49	45	34	29	27
61	28	34	37	36	42	50	52	52	50	40	29	28	28
62	22	27	34	41	44	48	53	52	50	47	33	25	22
63	21	43	33	37	42	51	51	50	53	39	34	31	21
64	28	29	30	34	38	50	49	53	47	46	29	33	28
65	28	34	36	40	42	48	51	56	46	43	34	24	24
66	28	29	29	38	47	45	54	52	50	42	36	30	28
67	30	34	32	36	40	49	55	57	58	46	35	27	27
68	21	33	37	39	41	47	52	52	47	42	35	24	21
69	28	33	35	40	46	56	58	53	51	41	34	30	28
70	28	36	37	37	44	52	54	54	53	37	36	32	28

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

CONTINUED ON NEXT PAGE....

STATION NUMBER: 724835 STATION NAME: MATHEW AFB CA

PERIOD OF RECORD: 41-87

WHOLE DEGREES FAHRENHEIT

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
71	26	29	25	34	44	44	53	56	44	35	33	26	25
72	25	25	35	37	43	49	53	52	46	37	34	21	21
73	26	35	34	37	42	48	52	52	51	41	33	35	26
74	30	35	35	40	41	54	53	56	53	48	36	28	28
75	26	33	38	38	39	49	51	54	54	40	29	32	26
76	29	35	32	36	49	56	55	55	52	41	32	24	24
77	29	30	31	41	43	49	54	55	50	45	30	34	29
78	32	36	41	39	46	53	53	52	44	39	32	24	24
79	25	30	36	37	41	50	54	54	52	40	34	29	25
80	29	34	35	38	41	55	55	55	52	40	32	28	28
81	32	32	36	38	43	52	53	54	48	40	35	36	32
82	28	29	33	35	42	47	52	52	50	42	32	26	26
83	31	34	40	36	41	50	52	56	52	44	33	35	31
84	32	31	39	37	41	47	53	55	51	42	33	28	28
85	29	29	33	44	43	49	56	51	46	41	29	27	27
86	36	32	40	36	40	49	54	54	44	44	33	34	32
87	28	33	36										
MEAN	28.1	32.0	34.5	38.3	42.7	48.8	53.4	53.5	49.7	42.0	33.4	29.6	26.8
S.D.	3.217	3.388	3.375	2.645	2.551	3.138	1.900	1.854	3.152	3.809	3.009	3.696	2.886
TOTAL OBS	1426	1271	1395	1320	1373	1350	1395	1395	1355	1426	1379	1426	16511

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

TEMPERATURE DEGRADATION OBSERVATIONS

WASH DC AFB CA

PERIOD OF RECORD: 77-87

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1-14	48.5	50.3	55.0	61.2	65.1	64.6	61.7	55.5	47.3	42.9	53.4
SD	4.7-5	4.814	5.022	5.475	5.395	5.111	5.455	5.402	5.909	6.280	9.633
TOT OBS	446	900	930	900	930	930	900	930	900	930	10956
15-17	44.2	48.0	52.5	58.3	61.8	61.6	59.1	53.2	45.7	42.2	51.3
SD	6.177	4.858	4.794	4.761	4.940	4.669	5.035	5.470	6.297	6.589	9.012
TOT OBS	446	900	930	900	930	930	900	930	900	930	10956
18-20	44.6	50.8	57.3	63.3	66.0	64.1	61.4	54.5	45.6	41.7	53.2
SD	6.316	5.426	6.083	6.462	6.353	5.703	6.090	5.961	6.413	6.766	10.700
TOT OBS	446	900	930	900	930	930	900	930	900	930	10956
21-23	45.6	54.8	68.1	74.8	78.2	76.2	73.1	65.7	53.7	46.3	62.4
SD	5.982	5.302	7.649	8.105	7.525	6.849	7.788	7.100	6.788	6.150	13.293
TOT OBS	446	900	930	900	930	930	900	930	900	930	10956
ALL	50.2	66.5	75.8	83.7	88.2	86.4	81.7	73.5	59.6	51.3	69.5
SD	6.038	7.516	8.890	8.517	7.906	6.962	8.932	7.847	7.461	6.263	15.198
TOT OBS	446	900	930	900	930	930	900	930	900	930	10956
15-17	57.8	67.9	77.6	86.1	91.3	89.5	83.7	74.7	59.8	51.4	71.0
SD	5.905	8.459	9.385	8.658	8.051	7.239	9.423	8.517	7.681	5.998	16.127
TOT OBS	446	900	930	900	930	930	900	930	900	930	10954
18-20	52.4	61.5	69.8	77.9	83.1	80.4	74.8	65.4	53.1	46.5	64.0
SD	5.499	7.524	9.272	9.261	9.062	8.146	8.535	7.307	6.033	5.387	14.664
TOT OBS	446	900	930	900	930	930	900	930	900	930	10953
21-23	48.0	54.0	59.8	66.4	70.3	69.0	66.0	58.7	49.3	44.0	56.7
SD	5.702	5.211	6.254	6.587	6.313	5.448	6.084	5.582	5.707	5.783	10.879
TOT OBS	446	900	930	900	930	930	900	930	900	930	10953
ALL	45.4	57.4	64.5	71.5	75.5	74.0	70.2	62.7	51.8	45.8	60.2
SD	6.879	7.547	11.632	12.362	12.691	11.876	11.536	10.406	8.485	7.123	14.575
HOURS	7440	7200	7440	7200	7440	7440	7200	7440	7200	7440	87640

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

NET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-87

HOURS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN 40.9 SD 5.809 TOT OBS 930	43.2 5.751 846	45.7 4.565 930	46.5 4.625 900	49.8 4.170 930	53.8 3.856 900	56.4 3.480 930	57.2 2.908 930	55.6 3.863 900	50.9 4.831 930	44.4 5.707 900	41.1 6.166 930	48.8 7.431 10956
03-05	MEAN 40.1 SD 6.049 TOT OBS 930	41.9 6.092 846	44.3 4.961 930	44.7 4.784 900	48.1 4.152 930	52.2 3.876 900	54.8 3.304 930	55.7 2.961 930	54.2 3.970 900	49.4 5.058 930	43.2 6.055 900	40.5 6.469 930	47.5 7.386 10956
06-08	MEAN 39.7 SD 6.235 TOT OBS 930	41.7 6.241 846	44.8 4.905 930	46.7 4.940 900	50.9 4.372 930	55.0 4.089 900	57.1 3.487 930	57.4 3.068 930	55.6 4.082 900	50.3 5.229 930	43.1 6.047 900	40.1 6.587 930	48.6 8.183 10956
09-11	MEAN 43.0 SD 5.465 TOT OBS 930	46.9 5.009 846	49.7 4.150 930	52.0 4.763 900	55.9 4.618 930	60.1 4.103 900	62.6 3.629 930	62.7 3.012 930	60.9 3.723 900	56.3 4.459 930	48.6 5.284 900	43.7 5.813 930	53.6 8.280 10956
12-14	MEAN 46.0 SD 5.077 TOT OBS 930	50.2 4.662 846	52.2 4.414 930	54.7 5.254 900	58.6 5.039 930	63.1 4.147 900	66.0 3.665 930	66.2 2.981 930	63.5 3.966 900	59.2 4.386 930	51.6 4.987 900	46.8 5.363 930	56.5 8.311 10956
15-17	MEAN 46.5 SD 5.011 TOT OBS 930	50.6 4.661 846	52.6 4.709 928	54.9 5.480 900	58.8 5.130 930	63.3 4.272 900	66.0 3.656 930	66.3 3.084 930	63.6 4.139 900	59.1 4.606 930	51.4 5.075 900	46.7 5.194 930	56.7 8.319 10954
18-20	MEAN 43.6 SD 5.215 TOT OBS 930	47.8 4.896 846	50.2 4.681 927	52.5 5.407 900	56.6 5.089 930	60.8 4.492 900	63.6 3.863 930	63.5 3.280 930	60.8 4.084 900	55.7 4.591 930	48.1 5.140 900	43.8 5.332 930	54.0 8.419 10953
21-23	MEAN 41.8 SD 5.529 TOT OBS 930	45.1 5.294 846	47.5 4.406 927	48.9 4.705 900	52.6 4.553 930	56.4 4.154 900	59.1 3.657 930	59.3 2.989 930	57.7 3.741 900	52.7 4.651 930	45.8 5.452 900	42.0 5.740 930	50.8 7.735 10953
ALL HOURS	MEAN 42.7 SD 6.060 TOT OBS 7440	45.9 6.278 6768	48.4 5.530 7432	50.1 6.210 7200	53.9 6.034 7440	58.1 5.768 7200	60.7 5.467 7440	61.0 4.959 7440	59.0 5.247 7200	54.2 5.988 7440	47.0 6.352 7200	43.1 6.347 7440	52.0 8.710 87640

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-87

HOURS		STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST															
00-02	MEAN		38.5	40.3	42.6	42.3	44.7	47.1	49.2	51.2	50.3	46.4	41.0	38.8	44.4
	SD		6.762	7.025	5.650	6.373	5.332	5.539	4.776	4.241	5.548	6.379	6.846	7.178	7.379
	TOT OBS		930	846	930	900	930	900	930	930	900	930	900	930	10956
03-05	MEAN		38.0	39.1	41.5	40.9	43.7	46.5	48.7	50.8	49.9	45.5	40.1	38.3	43.6
	SD		6.790	7.234	5.743	6.405	5.335	5.618	4.702	4.287	5.391	6.417	6.919	7.373	7.516
	TOT OBS		930	846	930	900	930	900	930	930	900	930	900	930	10956
06-08	MEAN		37.5	38.9	42.0	42.2	44.8	47.8	49.9	52.1	50.9	46.4	40.2	37.9	44.3
	SD		6.893	7.258	5.736	6.596	5.308	5.403	4.501	3.762	5.216	6.355	6.781	7.349	7.803
	TOT OBS		930	846	930	900	930	900	930	930	900	930	900	930	10956
09-11	MEAN		40.1	42.4	44.7	44.0	45.3	48.9	51.6	53.4	51.8	48.4	43.5	40.7	46.3
	SD		6.389	6.667	5.572	7.123	6.161	5.393	4.348	3.393	5.262	6.038	6.624	6.992	7.326
	TOT OBS		930	846	930	900	930	900	930	930	900	930	900	930	10956
12-14	MEAN		41.4	43.5	44.8	43.7	44.3	48.1	51.2	53.2	50.7	47.8	43.7	41.9	46.2
	SD		6.574	7.112	6.232	8.349	7.128	6.485	4.983	4.068	6.028	6.344	7.013	7.112	7.518
	TOT OBS		930	846	930	900	930	900	930	930	900	930	900	930	10956
15-17	MEAN		41.6	43.3	44.4	42.7	42.9	46.4	48.6	50.9	49.2	46.6	43.3	41.6	45.1
	SD		6.730	7.242	7.000	8.826	7.753	7.320	5.890	5.346	6.545	6.857	7.231	7.206	7.656
	TOT OBS		930	846	928	900	930	900	930	930	900	930	900	930	10954
18-20	MEAN		40.5	42.9	44.4	43.7	45.1	47.6	49.7	51.6	50.3	47.4	42.9	40.6	45.6
	SD		6.518	6.868	6.662	8.434	7.069	7.016	5.612	4.916	6.087	6.453	6.935	6.930	7.561
	TOT OBS		930	846	927	900	930	900	930	930	900	930	900	930	10953
21-23	MEAN		39.2	41.8	43.7	43.7	45.9	48.0	50.5	52.0	51.1	47.2	42.0	39.5	45.4
	SD		6.868	6.760	5.753	6.888	5.562	5.999	4.648	4.182	5.348	6.335	6.896	6.964	7.416
	TOT OBS		930	846	927	900	930	900	930	930	900	930	900	930	10953
ALL	MEAN		39.6	41.5	43.5	42.9	44.6	47.6	49.9	51.9	50.5	47.0	42.1	39.9	45.1
	SD		6.846	7.232	6.180	7.496	6.333	6.186	5.066	4.407	5.742	6.456	7.041	7.274	7.575
	TOT OBS		7440	6768	7432	7200	7440	7200	7440	7440	7440	7200	7440	7200	87640

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 78-87
 MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	00-02	100.0	100.0	99.7	99.1	98.5	97.5	93.5	80.9	31.2	85.5	930	
	03-05	100.0	100.0	100.0	99.6	99.2	98.5	95.5	82.7	31.4	86.3	930	
	06-08	100.0	100.0	100.0	99.8	99.4	98.1	95.5	81.2	31.5	86.3	930	
	09-11	100.0	99.9	99.7	99.2	97.6	94.1	86.5	60.9	22.7	81.8	930	
	12-14	100.0	99.7	99.0	96.9	92.0	81.5	60.4	37.7	13.4	73.6	930	
	15-17	100.0	99.7	99.0	96.3	89.7	79.4	59.5	34.8	9.0	72.3	930	
	18-20	100.0	100.0	99.6	98.7	96.3	92.4	84.6	59.4	18.2	80.4	930	
	21-23	100.0	100.0	99.0	98.2	97.6	96.0	91.6	74.8	25.3	83.9	930	
	TOTALS	100.0	99.9	99.5	98.5	96.3	92.2	83.4	64.1	22.8	81.3	7440	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA
PERIOD OF RECORD: 78-87
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN		TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE] [HUMIDITY]	NUM OBS	
FEB	00-02	100.0	100.0	100.0	99.3	97.8	94.1	86.9	69.1	17.0	82.0	846	
	03-05	100.0	100.0	100.0	99.6	98.6	95.2	87.5	71.7	21.7	82.8	846	
	06-08	100.0	100.0	100.0	100.0	98.9	94.9	87.7	69.0	20.2	82.7	846	
	09-11	100.0	100.0	99.9	98.0	93.4	84.5	64.5	30.1	6.4	73.5	846	
	12-14	100.0	99.9	98.9	92.6	79.6	55.1	29.1	13.2	3.3	62.9	846	
	15-17	100.0	100.0	97.9	91.0	71.6	47.0	23.5	11.7	2.6	60.3	846	
	18-20	100.0	100.0	99.9	97.0	90.2	79.3	58.7	28.1	4.8	71.6	846	
	21-23	100.0	100.0	99.6	98.7	97.6	92.3	82.2	56.3	9.9	79.7	846	
	TOTALS	100.0	100.0	99.5	97.0	91.0	80.3	65.0	43.7	10.7	74.4	6768	

RELATIVE HUMIDITY

PERIOD OF RECORD: 78-87

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN		TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE] [HUMIDITY]	[RELATIVE] [HUMIDITY]	
MAR	00-02	100.0	100.0	99.9	99.6	98.2	96.0	89.4	53.9	10.9	80.5	930	
	03-05	100.0	100.0	100.0	100.0	99.5	97.1	91.8	63.4	16.1	82.5	930	
	06-08	100.0	100.0	100.0	100.0	99.4	96.5	90.3	59.4	15.2	81.8	930	
	09-11	100.0	100.0	99.9	97.3	92.6	78.1	51.9	19.5	3.2	69.9	930	
	12-14	100.0	100.0	97.5	90.0	71.5	44.5	21.1	7.0	1.0	59.1	930	
	15-17	100.0	100.0	94.6	84.6	62.4	37.4	18.3	6.9	1.1	56.3	928	
	18-20	100.0	100.0	98.7	93.3	84.8	68.6	46.5	16.3	1.5	66.8	927	
	21-23	100.0	100.0	99.7	98.5	96.2	92.3	79.7	38.2	5.8	76.9	927	
TOTALS		100.0	100.0	98.8	95.4	88.1	76.3	61.1	33.1	6.9	71.7	7432	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835		STATION NAME: MATHER AFB CA		PERIOD OF RECORD: 77-86									
		MONTH: APR											
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM	
APR	00-02	100.0	99.9	98.9	97.6	94.7	88.7	72.1	36.0	5.1	75.1	900	
	03-05	100.0	100.0	99.7	97.8	95.6	90.6	79.1	44.3	7.7	77.2	900	
	06-08	100.0	100.0	99.4	96.4	93.1	84.1	68.4	34.3	4.7	73.8	900	
	09-11	100.0	98.9	94.8	87.4	69.4	42.2	18.2	4.0	.8	57.0	900	
	12-14	100.0	95.0	84.6	63.3	38.2	14.8	7.6	2.3	.3	46.4	900	
	15-17	100.0	93.1	76.1	51.9	30.1	13.9	8.3	2.6	.2	43.2	900	
	18-20	100.0	96.7	90.7	77.8	61.9	40.7	19.9	4.8	.7	55.0	900	
	21-23	100.0	99.8	98.1	95.6	88.7	78.7	56.1	20.4	2.3	69.7	900	
	TOTALS	100.0	97.9	92.8	83.5	71.5	56.7	41.2	18.6	2.7	62.2	7200	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835		STATION NAME: MATHER AFB CA		PERIOD OF RECORD: 77-86									
		MONTH: MAY											
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL	
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM	
												OBS	
MAY	00-02	100.0	100.0	99.4	98.4	92.6	77.4	51.2	13.4	1.1	69.2	930	
	03-05	100.0	100.0	99.8	98.4	95.1	84.9	63.9	24.2	2.7	72.7	930	
	06-08	100.0	100.0	99.6	95.1	83.5	62.8	36.9	9.4	1.0	64.5	930	
	09-11	100.0	95.8	87.1	63.9	35.2	11.9	3.3	.6	.2	45.8	930	
	12-14	100.0	89.5	58.4	27.1	8.6	3.3	1.5	.6	.2	34.6	930	
	15-17	100.0	77.7	46.6	21.2	7.1	3.0	1.2	.4	.1	31.4	930	
	18-20	100.0	94.0	76.7	57.8	35.1	15.6	5.1	.5		44.2	930	
	21-23	100.0	100.0	99.0	92.8	80.0	55.7	26.7	3.9	.1	61.5	930	
	TOTALS	100.0	95.0	83.3	69.3	54.7	39.3	23.7	6.6	.7	53.0	7440	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA

PERIOD OF RECORD: 77-86
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JUN	00-02	100.0	99.7	98.8	94.0	76.9	50.4	27.7	9.1	.1		61.5	900
	03-05	100.0	100.0	99.2	97.6	85.9	66.0	40.0	15.6	.6		66.3	900
	06-08	100.0	99.9	97.2	90.1	70.2	44.4	22.6	5.4	.1		58.9	900
	09-11	100.0	96.4	81.3	52.6	24.3	6.6	1.6	.3			42.1	900
	12-14	99.8	82.6	43.6	16.7	4.8	1.6	.4	.1			30.8	900
	15-17	99.4	66.2	30.8	11.6	2.7	.6	.2				27.0	900
	18-20	99.9	87.3	65.1	39.9	17.8	6.1	1.7				37.2	900
	21-23	100.0	99.1	94.6	82.6	54.9	31.8	13.4	1.8			53.6	900
	TOTALS	99.9	91.7	76.3	60.9	42.2	25.9	13.5	4.0	.1		47.2	7200

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835		STATION NAME: MATHER AFB CA		PERIOD OF RECORD: 77-86									
				MONTH: JUL									
MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
(LST)		10%	20%	30%	40%	50%	60%	70%	80%	90%	(RELATIVE HUMIDITY)	(NUM)	
JUL	00-02	100.0	100.0	98.5	91.4	71.1	39.6	17.0	3.7	.1	57.9	930	
	03-05	100.0	100.0	98.9	95.1	82.4	57.1	31.8	8.9	.6	63.6	930	
	06-08	100.0	99.8	97.5	87.8	69.4	44.2	20.2	4.5	.6	58.2	930	
	09-11	100.0	99.0	80.6	48.4	18.6	4.7	.8	.4		41.0	930	
	12-14	100.0	84.9	39.5	9.8	2.8	.4	.3	.3		29.4	930	
	15-17	99.2	60.2	20.9	4.3	1.4	.3	.3			24.4	930	
	18-20	99.8	85.2	55.2	29.5	9.0	2.4	.4	.1	.1	33.6	930	
	21-23	100.0	100.0	96.2	80.2	47.6	20.1	5.7	1.1	.3	50.9	930	
	TOTALS	99.9	91.1	73.4	55.9	37.8	21.1	9.6	2.4	.2	44.9	7440	

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: AUG

MONTH/ HOURS (LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
AUG 00-02	100.0	100.0	98.8	94.2	79.9	58.3	32.8	7.8	.8	63.3	930
03-05	100.0	100.0	99.2	98.1	88.9	72.5	48.3	20.5	4.2	69.2	930
06-08	100.0	100.0	99.5	95.6	85.1	66.0	40.5	15.1	3.5	66.6	930
09-11	100.0	99.5	92.5	68.4	37.7	11.8	.8			46.5	930
12-14	100.0	93.9	57.7	20.6	2.2	.4	.2	.1		33.0	930
15-17	100.0	78.6	34.4	7.2	1.8	1.0	.5	.2		28.1	930
18-20	100.0	93.0	71.2	44.0	20.0	4.9	1.0			38.9	930
21-23	100.0	100.0	98.2	87.4	68.6	37.7	10.3	1.8		56.2	930
TOTALS	100.0	95.6	81.4	64.4	48.1	31.6	16.8	5.7	1.1	50.2	7440

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
MONTH: SEP

MONTH	HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL
	(LST)										RELATIVE HUMIDITY	NUM
												OBS
SEP	00-02	100.0	100.0	99.9	95.7	84.3	65.7	45.2	22.6	7.6	68.1	900
	03-05	100.0	100.0	100.0	98.6	91.2	77.1	58.9	32.8	12.8	73.1	900
	06-08	100.0	100.0	99.4	96.1	86.7	72.0	53.7	28.2	9.7	70.5	900
	09-11	100.0	99.6	88.7	68.2	45.8	25.6	9.0	4.1	1.4	49.7	900
	12-14	100.0	91.4	60.2	31.8	14.1	6.7	3.3	2.4	.4	36.6	900
	15-17	100.0	81.9	44.6	23.6	12.0	6.0	2.7	1.7	.1	32.8	900
	18-20	100.0	96.4	78.8	54.3	33.0	18.6	9.2	3.8	.8	45.1	900
	21-23	100.0	100.0	98.6	90.3	70.1	49.2	27.4	10.4	2.9	60.8	900
	TOTALS	100.0	96.2	83.8	69.8	54.7	40.1	26.1	13.3	4.5	54.6	7200

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86

MONTH: OCT

MONTH	HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL
	(LST)										RELATIVE HUMIDITY	NUM
												OBS
OCT	00-02	100.0	100.0	99.5	97.8	92.9	81.9	61.0	26.3	5.9	72.5	930
	03-05	100.0	100.0	99.9	98.9	95.1	86.9	73.2	38.6	9.6	76.0	930
	06-08	100.0	100.0	100.0	98.6	94.2	85.7	71.0	34.1	10.1	75.3	930
	09-11	100.0	99.9	95.7	82.9	62.6	36.8	16.9	5.5	.8	55.9	930
	12-14	100.0	97.2	79.8	51.5	21.4	8.1	4.3	1.4	.2	42.1	930
	15-17	100.0	93.7	69.5	41.6	17.7	8.2	4.2	1.5		39.3	930
	18-20	100.0	95.7	93.4	78.5	59.7	34.4	14.9	5.5	.5	54.4	930
	21-23	100.0	100.0	99.5	95.1	85.3	71.8	44.4	13.7	1.5	67.0	930
	TOTALS	100.0	95.8	92.2	80.6	66.1	51.7	36.2	15.8	3.6	60.3	7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-86
 MONTH: NOV

MONTH	HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL
	(LST)											
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NOV	00-02	100.0	100.0	99.9	99.4	97.3	93.7	81.6	51.9	10.8	79.4	900
	03-05	100.0	100.0	100.0	99.4	98.7	95.9	87.6	54.7	15.3	81.1	900
	06-08	100.0	100.0	100.0	99.3	98.6	96.7	87.9	59.1	18.7	82.1	900
	09-11	100.0	100.0	98.7	95.0	86.7	73.0	55.3	28.6	8.4	70.3	900
	12-14	100.0	99.1	93.9	83.9	65.8	44.3	27.4	12.6	2.4	58.7	900
	15-17	100.0	95.0	92.3	81.1	61.6	43.3	27.0	12.3	1.4	57.5	900
	18-20	100.0	100.0	98.8	96.2	88.1	74.4	55.8	27.2	3.8	70.1	900
	21-23	100.0	100.0	99.8	98.7	96.0	88.8	73.6	45.6	9.1	76.9	900
	TOTALS	100.0	99.8	97.9	94.1	86.6	76.3	62.0	36.5	8.7	72.0	7200

22-4133 513

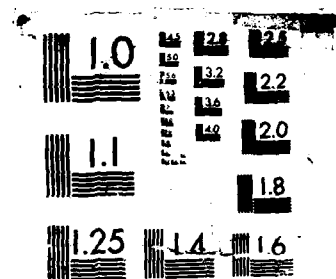
MAJER AFB CALIFORNIA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB 15 JUN 87
USAFETAC DC-37 042 P 1 4/2

4/4

UNCLASSIFIED

NL

1111
1111
1111



MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835		STATION NAME: MATHER AFB CA		PERIOD OF RECORD: 77-86									
				MONTH: DEC									
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
DEC	00-02	100.0	100.0	99.7	99.0	98.5	97.4	93.7	79.0	32.2		85.7	930
	03-05	100.0	100.0	99.7	99.5	98.9	97.8	94.1	80.4	35.2		86.4	930
	06-08	100.0	100.0	100.0	99.6	99.2	98.3	94.9	82.3	35.5		86.5	930
	09-11	100.0	100.0	99.6	98.6	96.7	93.5	84.8	62.9	23.5		81.6	930
	12-14	100.0	100.0	98.6	95.3	89.4	78.8	60.4	36.5	8.6		72.2	930
	15-17	100.0	99.8	98.8	95.6	87.6	75.2	59.5	33.2	6.7		71.3	930
	18-20	100.0	100.0	99.4	98.6	96.2	91.6	83.2	61.9	17.2		80.6	930
	21-23	100.0	100.0	99.8	98.9	97.7	96.1	91.8	76.7	28.4		84.6	930
	TOTALS	100.0	100.0	99.5	98.1	95.5	91.1	82.8	64.1	23.4		81.1	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724835		STATION NAME: MATHER AFB CA		PERIOD OF RECORD: 77-87									
		MONTH: ALL											
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM	
												OBS	
JAN	ALL	100.0	99.9	99.5	98.5	96.3	92.2	83.4	64.1	22.8	81.3	7440	
FEB		100.0	100.0	99.5	97.0	91.0	80.3	65.0	43.7	10.7	74.4	6768	
MAR		100.0	100.0	98.8	95.4	88.1	76.3	61.1	33.1	6.9	71.7	7432	
APR		100.0	97.9	92.8	83.5	71.5	56.7	41.2	18.6	2.7	62.2	7200	
MAY		100.0	95.0	83.3	69.3	54.7	39.3	23.7	6.6	.7	53.0	7440	
JUN		99.9	91.7	76.3	60.9	42.2	25.9	13.5	4.0	.1	47.2	7200	
JUL		99.9	91.1	73.4	55.9	37.8	21.1	9.6	2.4	.2	44.9	7440	
AUG		100.0	95.6	81.4	64.4	48.1	31.6	16.8	5.7	1.1	50.2	7440	
SEP		100.0	96.2	83.8	69.8	54.7	40.1	26.1	13.3	4.5	54.6	7200	
OCT		100.0	98.8	92.2	80.6	66.1	51.7	36.2	15.8	3.6	60.3	7440	
NOV		100.0	99.8	97.9	94.1	86.6	76.3	62.0	36.5	8.7	72.0	7200	
DEC		100.0	100.0	99.5	98.1	95.5	91.1	82.8	64.1	23.4	81.1	7440	
TOTALS		100.0	97.2	89.9	80.6	69.4	56.9	43.5	25.7	7.1	62.7	87640	

PPPPPPPP
PPPPPPPPPP
PP
PP
PPPPPPPP
PPPPPPPP
PP
PP
PP
PP

AAAAA
AAAAAAA
AA
AA
AA
AA
AAAAAAA
AAAAAAA
AA
AA
AA
AA

RRRRRRR
RRRRRRRR
RR
RR
RRRRRRRR
RRRRRRRR
RR
RR
RR
RR
RR
RR

TTTTTTTT
TTTTTTTT
TT
TT
TT
TT
TT
TT
TT
TT
TT

FFFFFFFF
FFFFFFFF
FF
FF
FFFFF
FFFFF
FF
FF
FF
FF

PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	30.000	29.956	29.902	29.898	29.823	29.794	29.783	29.780	29.782	29.885	29.964	30.020	29.882
	SD	.182	.179	.167	.112	.094	.091	.089	.078	.091	.104	.159	.160	.156
	TOT OBS	310	282	310	303	310	300	310	310	300	310	300	310	3652
04	MEAN	30.000	29.947	29.893	29.892	29.822	29.795	29.786	29.782	29.783	29.885	29.962	30.017	29.880
	SD	.184	.182	.170	.114	.094	.091	.088	.078	.091	.103	.162	.162	.156
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	30.008	29.960	29.914	29.919	29.849	29.824	29.818	29.813	29.814	29.911	29.978	30.026	29.903
	SD	.184	.185	.173	.113	.094	.090	.087	.077	.090	.103	.166	.165	.153
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	30.039	29.987	29.939	29.933	29.856	29.828	29.827	29.825	29.829	29.933	30.004	30.060	29.921
	SD	.184	.187	.172	.115	.094	.091	.087	.078	.089	.102	.167	.169	.158
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.995	29.952	29.907	29.902	29.825	29.800	29.797	29.789	29.791	29.886	29.959	30.010	29.884
	SD	.177	.185	.168	.112	.094	.092	.088	.079	.089	.102	.161	.169	.154
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.972	29.917	29.872	29.863	29.786	29.763	29.753	29.742	29.749	29.851	29.935	29.990	29.849
	SD	.176	.181	.161	.110	.095	.091	.091	.082	.091	.107	.159	.164	.157
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
19	MEAN	29.980	29.926	29.877	29.860	29.785	29.759	29.744	29.737	29.749	29.859	29.944	30.001	29.851
	SD	.177	.183	.158	.107	.095	.090	.091	.081	.090	.107	.158	.160	.159
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
22	MEAN	29.998	29.942	29.902	29.891	29.819	29.794	29.780	29.772	29.777	29.882	29.961	30.023	29.878
	SD	.179	.184	.159	.108	.094	.089	.089	.080	.090	.106	.160	.158	.156
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
ALL	MEAN	29.999	29.948	29.901	29.895	29.820	29.795	29.786	29.780	29.784	29.886	29.963	30.018	29.881
	SD	.181	.184	.167	.113	.097	.093	.092	.084	.094	.107	.163	.165	.158
HOURS	TOT OBS	2480	2256	2477	2400	2480	2400	2480	2480	2400	2480	2400	2480	29213

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HRS FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB CA PERIOD OF RECORD: 77-87

HOURS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
MEAN	1019.7	1018.2	1016.4	1016.2	1013.6	1012.6	1012.3	1012.1	1012.3	1015.7	1018.5	1020.4	1015.7
SD	6.194	6.147	5.691	3.797	3.194	3.104	3.009	2.862	3.121	3.530	5.425	5.455	5.334
TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	1019.7	1017.9	1016.0	1016.0	1013.6	1012.7	1012.4	1012.2	1012.2	1015.8	1018.4	1020.3	1015.6
SD	6.228	6.188	5.781	3.854	3.197	3.094	3.002	2.650	3.087	3.478	5.510	5.495	5.327
TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	1020.0	1018.4	1016.8	1016.9	1014.5	1013.6	1013.5	1013.3	1013.3	1016.7	1019.0	1020.6	1016.4
SD	6.254	6.280	5.879	3.657	3.180	3.069	2.939	2.623	3.052	3.447	5.636	5.623	5.218
TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	1021.1	1019.3	1017.6	1017.4	1014.7	1013.8	1013.8	1013.6	1013.8	1017.4	1019.8	1021.7	1017.0
SD	6.272	6.354	5.868	3.895	3.213	3.074	2.944	2.615	3.040	3.481	5.669	5.764	5.400
TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	1019.5	1018.1	1016.5	1016.4	1013.7	1012.9	1012.7	1012.4	1012.5	1015.8	1018.3	1020.1	1015.7
SD	6.054	6.278	5.704	3.822	3.212	3.125	2.987	2.693	3.046	3.462	5.484	5.756	5.255
TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	1018.8	1016.9	1015.4	1015.0	1012.4	1011.6	1011.2	1010.9	1011.1	1014.6	1017.5	1019.4	1014.5
SD	5.967	6.169	5.483	3.739	3.231	3.109	3.063	2.768	3.099	3.618	5.407	5.594	5.348
TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
MEAN	1019.0	1017.2	1015.5	1014.9	1012.3	1011.4	1010.9	1010.7	1011.1	1014.9	1017.8	1019.8	1014.6
SD	6.041	6.219	5.371	3.666	3.217	3.063	3.098	2.750	3.092	3.636	5.359	5.458	5.435
TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
MEAN	1019.7	1017.7	1016.4	1016.0	1013.5	1012.6	1012.1	1011.9	1012.1	1015.6	1018.4	1020.5	1015.5
SD	6.097	6.266	5.394	3.664	3.212	3.044	3.043	2.712	3.047	3.592	5.427	5.382	5.318
TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
MEAN	1019.7	1018.0	1016.3	1016.1	1013.6	1012.7	1012.4	1012.1	1012.3	1015.8	1018.5	1020.3	1015.6
SD	6.164	6.266	5.682	3.864	3.304	3.181	3.143	2.849	3.196	3.623	5.523	5.598	5.383
TOT OBS	2480	2256	2477	2400	2480	2400	2480	2480	2400	2480	2400	2480	29213

END

DATE
FILMED

9-87