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FT LEWIS, GRAY WASHINGTON REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB 27 JUL 87
USAFETAC/DS-87/051

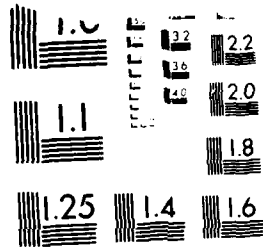
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MICROCOPY RESOLUTION TEST CHART
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STATION NUMBER: 742070 STATION NAME: FT LEWIS WA

CALL ID: KGRF

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: MAY 77 - APR 87

SUMMARY OF DAY DATA: APR 39 - JUL 40, JUN 60 - APR 87

TIME CONVERSION LST TO GMT: -8

DATE PRODUCED: 27 JUL 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: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

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

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

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AWSMC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX 10 THROUGH 91. IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

STATION NO OR SUMMARY 742070	STATION NAME FORT LEWIS WASHINGTON/GRAY AAF	LATITUDE N 47 05	LONGITUDE W 122 35	STATION ELEV (FT) 301	CALL SIGN GRF	WMO NUMBER 74207
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAT
			FROM	TO			STATION (FT)	BAROMETER	
1	Gray Fld, Ft Lewis Wash.	AAF	Apr 39	Jul 40	N 47 05	W 122 37		283	24
2	Gray AAF, Ft Lewis Wash.	AAF	Jun 60	Feb 65	N 47 05	W 122 35	311	295	24
3	No change	AAF	Mar 65	Jul 68	No chge	No chge	No chge	330	No chge
4	No change	AAF	Aug 68	Aug 68	No chge	No chge	No chge	No chge	17
5	No change	AAF	Sep 68	Apr 69	No chge	No chge	No chge	No chge	24
6	No change	AAF	May 69	Sep 71	No chge	No chge	No chge	No chge	17
7	No change	AAF	Oct 71	Sep 72	No chge	No chge	No chge	No chge	24
8	No change	AAF	Oct 72	Dec 75	No chge	No chge	No chge	298	No chge
9	No change	AAF	Jan 76	Dec 84	No chge	No chge	301	No chge	No chge
10	No Change	AAF	Jan 85	Apr 87	No Chge	No Chge	301	No Chge	No Chge

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 39 to Jul 40	Located in operations bldg.	Anemometer	None	40 ft	
2	Jun 60 to Nov 63	Located 1200 ft S of E-W Rwy, 800 ft E of N-S Rwy.	AN/GMQ-11	None	13 ft	
3	Dec 63 to Feb 64	Located 1040 ft from centerline off the N end of the N-S Rwy.	No chge	None	No chge	

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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

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

ATMOSPHERIC PHENOMENA SUMMARY

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

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

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

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

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

HAIL: ALL REPORTED HAIL.

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

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

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

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

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (100) 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 1969) 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 RAI, 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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 75-87
 MONTH: JAN

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		22.9		1.3		24.2	41.3	.5			41.8	913
03-05		24.1	.1	1.8		26.0	42.1	.7			42.8	912
06-08		24.9	.3	2.1		27.0	41.8	.2			42.0	912
09-11		20.0	.1	1.8		21.5	36.2	1.2			36.8	912
12-14		16.1		2.0		19.6	24.6	1.6			25.1	912
15-17		21.8		1.1		22.7	22.7	2.6			23.5	912
18-20	.1	23.0		1.6		25.1	29.5	1.6			30.3	912
21-23	.1	21.8		1.3		23.1	37.9	.4			38.2	912
TOTALS	.0	22.2	.1	1.6		23.7	34.5	1.1			35.1	7297

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: FEB

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		22.5		1.2		23.5	31.2	.1			31.2	846
03-05		22.3		1.9		24.2	33.1				33.1	846
06-08		27.1	.2	2.7		29.8	34.4	.1			34.4	846
09-11	.1	24.0	.2	2.6		26.2	26.4	.9			26.8	846
12-14		22.9		2.1		24.3	14.3	1.3			14.9	846
15-17		23.6		1.4	.1	26.7	11.9	1.2			12.5	846
18-20	.2	25.4		1.7		26.8	15.2	1.2			15.8	846
21-23		22.9		2.1		24.4	24.5	.4			24.6	846
TOTALS	.0	24.1	.1	2.0	.0	25.8	23.9	.7			24.2	6768

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 76-87
 MONTH: MAR

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBSI TO VISION	TOTAL OBS
00-02		16.3				18.3	17.0	.1			17.0	930
03-05		20.2		.6		20.5	26.1	.5			26.1	930
06-08		20.4		.3		20.5	27.5	.9			27.7	930
09-11		17.8		.2		18.1	16.9	1.7			17.6	930
12-14	.2	19.6		.1	.1	19.6	4.8	.3			5.2	930
15-17	.1	21.1		.1		21.1	4.1				4.1	930
18-20		17.9		.2		18.0	5.4	.3			5.7	929
21-23		18.4				18.4	8.6	.2			8.7	930
TOTALS	.0	19.2		.2	.0	19.3	13.8	.5			14.0	7479

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: APR

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBSI TO VISION	TOTAL OBS
00-02	.2	12.0				12.0	5.9	.2			6.1	900
03-05		16.4				16.4	14.8	.2			14.9	900
06-08		15.1				15.1	13.1	.7			13.4	900
09-11	.1	15.7				15.7	3.7	.9			4.3	900
12-14	.2	16.0				16.0	2.2	.1			2.3	900
15-17	.1	16.8		.1	.2	16.8	1.2	.1			1.3	898
18-20		16.2		.1	.1	16.2	2.0	.1			2.1	897
21-23	.2	14.5				14.5	3.6	.1			3.7	897
TOTALS	.1	15.3		.2	.0	15.3	5.8	.3			6.0	7192

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: MAY

HOURS (LST)	TSMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		10.2				10.2	2.4				2.4	930
03-05		12.5				12.5	5.1				5.1	930
06-08		12.0				12.0	7.0				7.0	930
09-11		12.4				12.4	3.8	.1			3.9	930
12-14		13.9			.1	13.9	2.4			.1	2.5	930
15-17	.3	12.6				12.6	1.6	.1		.1	2.8	930
18-20	.2	11.9				11.9	1.5	.1		.2	1.8	930
21-23	.1	9.5				9.5	2.2				2.2	930
TOTALS	.1	11.9			.0	11.9	3.3	.0		.1	3.4	7440

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUN

HOURS (LST)	TSMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		9.4				9.4	4.1	.4			4.4	900
03-05	.1	10.3				10.3	4.7				4.7	900
06-08	.2	11.1				11.1	8.2	.1			8.2	900
09-11		9.6				9.6	4.2	.6			4.7	900
12-14	.1	9.3				9.3	2.2	.6			2.8	900
15-17	.3	9.6				9.6	1.7	.1			1.8	900
18-20		7.3				7.3	2.8	.4		.1	3.3	900
21-23		6.9				6.9	2.8	.3		.1	3.2	900
TOTALS	.1	9.1				9.1	3.8	.3		.0	4.1	7200

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUL

HOURS (LST)	TSTMS	RAIN	FRZING	SNOW	HAIL	% OBS	FOG	SMOKE	BLOWING	DUST	% OBS	TOTAL
		/OR DRIZZLE	RAIN /OR DRIZZLE	/OR SLEET		WITH PRECIP		/OR HAZE		/OR SAND	W/CHST TO VISION	
00-02		5.3				3.3	1.5	.3			1.6	9.7
03-05	.2	4.3				4.3	6.5	.2			6.5	9.2
06-08	.1	6.0				6.0	10.9	.6		.1	11.7	9.6
09-11		6.6				6.6	5.3	.4			5.4	9.7
12-14	.4	5.6				5.6	.6	.3			1.7	9.5
15-17	.6	4.5				4.3	.5				.5	9.3
18-20	.1	3.3				3.3	.5	.5			1.4	9.3
21-23	.1	3.2				3.2	1.4	.5			1.4	9.1
TOTALS	.2	4.6				4.6	3.4	.4		.6	3.7	74.0

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: AUG

HOURS (LST)	TSTMS	RAIN	FRZING	SNOW	HAIL	% OBS	FOG	SMOKE	BLOWING	DUST	% OBS	TOTAL
		/OR DRIZZLE	RAIN /OR DRIZZLE	/OR SLEET		WITH PRECIP		/OR HAZE		/OR SAND	W/CHST TO VISION	
00-02		5.1				5.1	4.0	.1			4.1	9.2
03-05	.2	5.3				5.3	10.6	1.2			11.5	9.3
06-08	.1	6.5				6.5	20.6	2.0			21.6	9.6
09-11	.2	5.6				5.6	10.5	1.6			11.4	9.5
12-14	.3	6.8				6.8	3.0	.5			3.5	9.3
15-17	.2	6.0				6.0	2.3	.1			2.5	9.3
18-20	.4	5.4				5.4	1.5	.4			1.7	9.3
21-23		4.6				4.6	3.1				3.1	9.1
TOTALS	.2	5.6				5.6	7.0	.5			7.4	74.0

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: SEP

HOURS (LST)	TSTMS	RAIN L/GR DRIZZLE	FRZING RAIN L/GR DRIZZLE	SNOW L/GR SLEET	HAIL	% OPS WITH PRECIP	FOG	SMOKE L/GR HAZE	BLOWING SNOW	DUST L/GR SAND	% OPS W/CPST TO VISION	TOTAL OBS
00-02	1	12.4				12.4	14.6	.4			14.6	970
03-05	1	12.8				12.8	22.4	.6			22.7	900
06-08	1	13.3				13.3	26.6	.8			29.6	900
09-11	1	9.6				9.6	14.6	1.6			15.6	900
12-14	1	10.9				10.9	5.1	1.7			6.1	900
15-17	1	13.6				13.6	3.8	1.4			4.8	900
18-20	1	10.2				10.2	4.7	1.6			5.9	900
21-23	1	9.9				9.9	7.6	.7			7.9	900
TOTALS	1	11.6				11.6	12.6	1.1			13.3	7200

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: OCT

HOURS (LST)	TSTMS	RAIN L/GR DRIZZLE	FRZING RAIN L/GR DRIZZLE	SNOW L/GR SLEET	HAIL	% OPS WITH PRECIP	FOG	SMOKE L/GR HAZE	BLOWING SNOW	DUST L/GR SAND	% OPS W/CPST TO VISION	TOTAL OBS
00-02	1	10.3				10.3	34.9	.6			14.9	970
03-05	1	13.0		.2		13.2	43.9	.2			43.5	900
06-08	1	14.7		.1		14.8	42.4	.9			42.6	930
09-11	1	13.1				13.1	31.0	3.1			32.4	970
12-14	1	13.5				13.5	15.2	6.8			16.5	930
15-17	1	13.0				13.0	8.1	4.6			11.7	930
18-20	1	11.6				11.6	11.4	4.2			13.2	930
21-23	1	10.1				10.2	23.4	1.6			23.5	930
TOTALS	1	12.4		.3		12.5	26.3	2.8			27.6	7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: NOV

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		22.9		1.6		24.4	30.1	.7			30.3	900
03-05		24.0		2.1		26.0	31.3				31.3	900
06-08		24.2		1.7		25.9	28.8				28.8	900
09-11	.1	21.0		1.9		22.8	23.1	1.2			23.7	900
12-14		24.2		1.9		26.1	15.3	1.4			15.9	900
15-17	.1	25.1		1.2	.1	26.4	16.2	1.3			16.7	900
18-20		25.2		1.1		26.0	20.1	1.4			20.2	900
21-23	.1	21.6		1.8		23.3	23.9	1.2			24.0	900
TOTALS	.0	23.5		1.7	.0	25.1	23.6	.9			23.9	7200

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: DEC

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		20.2	.7	1.3		21.9	40.7	.8			40.9	975
03-05		23.3	.7	2.5		26.1	40.2	.3			40.4	900
06-08		20.6	.3	2.5		23.3	35.0	.2			35.2	903
09-11		20.6	.1	2.0		22.4	30.5	.9			30.6	903
12-14		23.4	.1	1.1		23.8	24.1	2.6			24.3	901
15-17		23.3		1.0		24.3	24.1	3.2			25.4	896
18-20		21.8		.6	.1	22.0	32.2	.9			32.7	894
21-23		20.9	.2	1.1		21.4	16.7	1.2			17.2	894
TOTALS		21.7	.3	1.6	.0	23.2	32.9	1.3			33.4	7198

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-87
 MONTH: ALL

MONTH	HOURS (LST)	TSTMS	RAIN	FZING	SNOW	HAIL	% OBS	FOG	SMOKE	BLOWING SNOW	DUST	% OBS	TOTAL OBS
			L/OR GRIZZLE	RAIN &/OR DRIZZLE	L/OR SLEET		WITH PRECIP		L/OR HAZE		L/OR SAND	W/CBST TO VISION	
JAN	ALL	1	.0	22.2	.1	1.6	23.7	34.5	1.1			35.1	7297
FEB		1	.0	24.1	.1	2.0	.0	25.8	23.9	.7		24.2	6766
MAR		1	.0	19.2		.2	.0	19.3	13.8	.5		14.0	7434
APR		1	.1	15.3		.0	.0	15.3	5.8	.3		6.0	7192
MAY		1	.1	11.9			.0	11.9	3.3	.0	.1	3.4	7440
JUN		1	.1	9.1				9.1	3.8	.3	.0	4.1	7200
JUL		1	.2	4.0				4.6	3.4	.4	.0	3.7	7440
AUG		1	.2	5.0				5.0	7.0	.8		7.4	7440
SEP		1	.3	11.6				11.6	12.6	1.1		13.3	7200
OCT		1	.1	12.4		.0		12.5	26.3	2.8		27.6	7440
NOV		1	.0	23.5		1.7	.0	25.1	23.6	.9		23.4	7200
DEC		1		21.7	.3	1.6	.0	23.2	32.9	1.3		33.4	7198
TOTALS		1	.1	15.1	.0	.6	.0	15.6	15.9	.9	.0	16.3	67254

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 60-87
 MONTH: ALL

MONTH	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
JAN	.6	65.1	1.1	16.6	.5	70.7	61.3	25.2	.2		65.0	825
FEB	.5	67.1	.5	9.7	.4	69.4	61.5	24.4			63.8	745
MAR	.6	63.8		9.5	2.3	65.5	41.9	17.6			44.4	624
APR	2.8	60.4		4.5	3.3	60.8	31.8	13.6			34.5	600
MAY	2.7	51.8		1.4	1.7	51.8	21.5	6.9			22.8	778
JUN	2.2	44.7			.9	44.7	20.5	9.9			23.8	776
JUL	2.8	26.7			.1	28.7	19.7	10.7			23.0	791
AUG	3.2	33.2				33.2	31.3	19.9			36.7	777
SEP	4.0	44.0			.5	44.0	50.3	29.6			55.0	778
OCT	1.1	55.3		.2	.5	55.4	59.8	32.2			62.4	608
NOV	.8	73.3		4.3	.9	74.8	57.2	23.3			58.7	787
DEC	.2	70.6	1.2	15.0	.1	75.6	64.5	24.1			67.6	819
TOTALS	1.8	54.8	.2	5.1	.9	56.2	43.4	19.8	.0		46.5	9508

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PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

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

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

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

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

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

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

DATA DERIVED FROM SUMMARY OF DAY DATA

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

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

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

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

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)
EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)
EXTREME DAILY SNOW DEPTH: "J" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

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

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

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

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

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 39-40, 60-67

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02		.06		.11		.26		.51		1.01		2.51		5.01		10.01		OVER 20.00	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
				.05	.10	.25	.50	1.00	2.50	5.00	10.00	20.00	MEAN	GREATEST	LEAST												
JAN	30.1	9.8	3.4	10.3	6.7	14.4	4.1	3.2	2.8	.1												60.0	863	5.80	10.34	.3	
FEB	31.7	8.5	2.8	9.7	9.4	16.4	2.5	7.1	1.9													59.8	791	4.46	9.91	1.4	
MAR	35.3	8.5	3.1	10.9	8.9	15.3	1.8	5.8	.5													56.2	868	3.86	7.27	.44	
APR	40.3	12.6	3.9	11.0	7.0	11.7	9.1	3.4	.8													47.0	870	2.80	4.50	.35	
MAY	51.2	13.2	3.1	9.7	6.7	8.6	5.2	2.1	.2													35.6	868	1.77	4.27	.37	
JUN	58.5	13.8	2.6	6.7	3.8	6.7	5.3	2.1	.6													27.7	870	1.72	4.29	.06	
JUL	73.0	11.3	1.5	4.4	2.6	3.8	2.2	.9	.2													15.6	890	.86	3.07	TRACE	
AUG	69.5	10.3	1.6	5.9	3.8	4.0	2.4	1.7	.7													20.2	866	1.15	4.97	TRACE	
SEP	58.2	11.3	2.4	6.5	4.6	7.5	5.8	3.2	.4													30.5	840	2.02	5.45	.01	
OCT	46.6	11.6	4.2	3.3	4.8	11.2	6.9	5.0	1.2	.2												41.8	867	3.12	7.30	.38	
NOV	28.1	9.0	3.6	10.4	9.8	14.9	2.1	3.3	3.6	.7												62.9	840	5.76	11.35	1.06	
DEC	25.0	7.4	3.7	11.9	7.8	15.8	2.9	0.3	3.1													65.6	829	5.92	10.70	1.75	
ANN	45.6	10.8	3.0	8.8	6.3	10.9	8.4	4.8	1.3	.0												43.5	10262	39.24			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 39-40, 43-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
39				.21	.54	.36	.78	.48	.20	.90	.36		
40	.37	1.35	.79	1.20	.59	.69	*.28						
60						.32	TRACE	.58	.25	1.31	1.67	1.07	
61	.92	1.53	.56	.65	.69	.47	.66	.51	.09	.65	1.16	.95	1.53
62	.52	.53	.48	.96	.30	.36	.11	.58	.61	1.30	2.67	.70	2.67
63	1.29	1.47	.73	.70	.47	.25	.61	.77	.47	.75	.80	.83	1.47
64	1.29	.26	.44	.25	.35	.60	.43	.49	1.61	.30	1.19	1.42	1.41
65	1.32	.94	.27	1.57	.39	.31	.41	.92	.27	.56	.61	1.16	1.57
66	.97	.51	.89	1.30	1.02	.61	.63	.11	.91	.62	1.35	1.17	1.35
67	1.59	.93	.40	.66	.22	1.13	.06	TRACE	.59	*1.23	.77	.85	1.59
68	.93	1.16	1.43	.87	.83	1.46	1.20	*1.30	.72	.61	.97	1.11	1.46
69	.83	1.32	.42	.45	.67	.40	.10	.05	.62	.73	1.25	.58	1.72
70	1.35	1.35	.89	1.12	.31	.62	.15	.18	.68	.66	.94	1.85	1.85
71	1.88	.64	1.04	.63	.59	.93	.34	.41	.73	1.59	.91	.94	1.88
72	*1.79	1.83	2.23	.65	.45	.70	.30	.35	1.09	.19	.59	1.89	2.23
73	.93	.39	.66	1.03	.59	.82	.03	.25	.61	1.62	1.12	.92	1.62
74	1.41	.95	.58	.80	.48	.68	.58	.05	.45	.76	1.12	.97	1.41
75	1.62	1.68	.89	1.22	.56	.35	.17	1.17	.01	.96	.92	1.58	1.68
76	1.36	.81	.75	.39	.62	.43	.96	1.16	.87	.76	.76	.72	1.36
77	.29	.67	.79	.25	1.25	.58	.21	1.63	.78	.45	1.25	1.55	1.63
78	.85	.59	.51	.88	.38	.41	.66	.36	1.57	.19	1.35	.32	1.57
79	.50	1.96	.48	.46	.51	.37	1.31	.30	.74	.97	.71	*1.99	*1.99
80	.88	.68	.59	1.11	.57	.79	.16	.74	.47	.67	1.55	*1.38	1.55
81	*.70	1.17	.85	.58	.36	1.41	.50	.32	.80	2.71	1.20	*1.14	2.71
82	*1.35	1.38	.48	.63	.07	.37	.37	.18	.29	1.83	.81	1.89	1.89
83	1.26	.70	.70	.47	.34	.71	.82	.35	.51	.26	1.64	1.28	1.64
84	2.36	.66	.63	.54	.70	1.59	TRACE	.26	.33	1.27	1.36	.85	2.36
85	.20	.42	.61	.53	.39	1.04	.14	.22	.37	2.32	.74	.83	2.32
86	2.41	1.22	.61	.51	.44	.47	.39	.05	.58	2.73	3.17	.65	2.73
87	2.64	.64	1.25	.61									
MEAN	1.199	.988	.756	.736	.524	.648	.431	.462	.615	1.112	1.167	1.091	1.787
STD.	.642	.454	.387	.42	.238	.381	.355	.392	.374	.697	.609	.430	.497
TOTAL OBS	863	791	856	870	868	870	890	856	840	867	840	829	10262

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORO: 39-40, 50-87

YEAR	TOTAL MONTHLY PRECIPITATION IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
39				.30	.87	1.27	1.33	.81	.33	2.87	2.38		
40	1.66	6.66	4.52	3.39	1.52	.86	*.28						
60						.47	TRACE	1.18	.71	4.67	9.54	3.52	
61	5.73	9.91	5.08	3.34	2.87	1.11	.79	.80	.30	3.03	5.57	5.44	44.04
62	1.62	2.11	2.49	3.13	1.72	.96	.27	1.95	2.11	3.83	11.35	3.80	35.36
63	2.45	4.35	3.56	3.52	1.02	1.05	1.58	1.18	1.21	2.28	3.25	4.43	50.18
64	10.34	1.41	2.67	1.43	.93	3.79	1.28	1.11	2.64	1.21	6.79	6.50	40.25
65	6.64	3.99	.44	4.01	1.01	.43	.64	2.43	.54	2.64	4.37	6.26	33.40
66	4.79	1.97	4.96	2.38	1.63	2.19	1.35	.13	2.56	3.70	5.43	8.32	39.41
67	9.43	3.17	3.30	2.91	.53	1.99	.07	TRACE	1.42	*7.30	2.74	4.02	*36.88
68	6.24	5.75	5.25	1.72	2.59	2.63	1.57	*4.97	2.47	4.34	5.97	7.30	*50.80
69	6.83	3.01	1.46	2.78	1.74	.94	.24	.17	4.51	1.63	2.37	5.56	31.22
70	8.47	3.32	2.47	3.60	1.29	.98	.31	.55	1.99	2.26	5.64	10.04	40.92
71	8.30	3.57	7.22	2.97	1.27	3.23	.53	.77	2.60	2.96	6.11	7.54	47.16
72	*9.13	8.27	6.64	4.26	1.27	1.52	1.10	.82	3.65	.38	3.41	10.70	*51.15
73	4.31	1.87	3.03	1.67	2.05	3.22	.03	.35	2.52	3.96	7.73	8.93	39.64
74	8.31	4.42	5.67	4.50	2.52	1.89	1.91	.07	.61	1.87	6.75	5.09	44.61
75	7.97	5.69	3.68	2.67	2.03	.96	.27	4.89	.01	6.13	6.59	8.55	49.44
76	6.44	5.18	3.71	2.52	2.10	.83	1.30	3.57	1.25	1.54	1.08	2.36	31.86
77	1.05	2.27	4.24	.96	4.23	.72	.38	4.16	4.07	3.70	5.66	8.99	39.44
78	5.63	3.05	2.91	4.45	2.94	1.53	1.14	1.36	6.49	.45	5.51	1.79	36.35
79	2.17	7.05	2.03	2.22	1.32	.63	1.49	1.41	3.09	4.51	2.26	*10.20	*38.42
80	6.19	5.52	3.66	3.98	1.32	2.50	.39	.87	1.99	1.25	7.73	*6.19	*41.79
81	*2.58	6.54	3.74	4.18	2.30	3.78	.77	.51	2.26	5.66	5.06	*6.33	*43.78
82	*5.92	7.34	3.69	2.75	.37	.83	.49	.36	1.15	4.40	4.43	7.45	*39.18
83	8.67	5.28	5.81	1.35	1.06	3.12	3.07	.67	1.13	1.09	8.42	5.10	44.70
84	5.51	3.94	4.14	2.74	4.27	4.29	TRACE	.35	1.04	3.59	10.45	4.27	44.59
85	.32	2.13	3.16	1.80	1.15	1.88	.14	.53	1.50	7.00	4.92	1.80	26.33
86	8.57	4.46	2.73	2.60	2.56	.95	1.65	.07	2.34	4.35	10.22	3.38	43.88
87	7.38	2.53	5.16	2.89									
MEAN	5.798	4.458	3.959	2.797	1.766	1.717	.860	1.151	2.027	3.123	5.764	5.524	39.095
STD.	2.840	2.144	1.523	1.065	.950	1.150	.731	1.253	1.440	1.704	2.655	2.165	6.356
TOTAL OBS	863	791	968	470	868	570	890	866	840	867	840	829	10262

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 60-67

MONTH	AMOUNTS IN INCHES													3 DAYS WITH PLUS 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 5.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	OVER 50.4			MEAN	GREATEST	LEAS
JAN	83.2	9.5	1.6	1.8	1.8	1.2	.6	.1	.2					7.3	832	3.9	28.7	.0
FEB	93.4	7.1	.9	.9	.1		.3	.3						2.5	762	1.3	3.2	.0
MAR	93.2	7.3	1.0	1.2		.1			.2					2.5	637	1.0	11.9	.0
APR	95.1	4.9													810	TRACE	TRACE	.0
MAY	98.6	1.2													806	TRACE	TRACE	.0
JUN	100.0														810	.0	.0	.0
JUL	100.0														837	.0	.0	.0
AUG	100.0														637	.0	.0	.0
SEP	100.0														810	.0	.0	.0
OCT	99.9	.1													837	TRACE	TRACE	.0
NOV	95.3	2.5	.8	.7	.4	.2		.2						2.2	810	1.0	3.1	.0
DEC	83.7	10.3	2.1	1.9	1.1	.6	.1	.1	.1					6.0	829	2.4	14.0	.0
ANN	94.7	3.6	.5	.5	.3	.2	.1	.1	.0					1.7	9817	5.3		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 60-P7

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
60						.0	.0	.0	.0	.0	5.2	.0	
61	.0	1.5	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.6	1.5
62	TRACE	5.2	1.3	.0	.0	.0	.0	.0	.0	TRACE	.0	.0	5.2
63	1.6	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.1	.0	2.1
64	1.5	TRACE	1.1	TRACE	.0	.0	.0	.0	.0	.0	1.1	2.5	2.5
65	2.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.4
66	2.2	1.0	5.8	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.8
67	1.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.4	1.4
68	6.3	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	2.5	6.3
69	3.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5
70	1.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.4	.0	1.0
71	4.0	.1	7.1	TRACE	.0	.0	.0	.0	.0	.0	.0	4.5	7.1
72	6.6	TRACE	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.3	6.6
73	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0	.8
74	1.9	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	6.0	6.0
75	4.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.3	1.4	4.0
76	.0	1.2	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.2
77	TRACE	.0	1.0	.0	TRACE	.0	.0	.0	.0	.0	2.0	TRACE	2.0
78	.0	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	5.1	.1	5.1
79	TRACE	.3	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	6.0	6.0
80	2.7	4.4	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	2.5	6.7
81	4.0	1.5	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.0
82	2.5	TRACE	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.5
83	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	TRACE	.0	.0	.0	.0	TRACE	TRACE	1.5	1.5
85	.0	1.2	.3	TRACE	TRACE	.0	.0	.0	.0	.0	1.9	.7	1.9
86	.0	5.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	5.0
87	TRACE	TRACE	TRACE	.0									
MEAN	1.74	.77	.75	TRACE	TRACE	.00	.00	.00	.00	TRACE	.71	1.34	1.45
S.D.	2.294	1.550	1.835	.000	.000	.000	.000	.000	.000	.000	1.466	1.530	2.295
TOTAL O.S.	832	762	837	210	806	110	837	837	810	837	810	629	9617

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 60-97

YF Ap	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS	
	JAN	FEB	MAR	APP	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC		
						JUN	JUL							
60						.0	.0	.0	.0	.0	5.2	.0		
61		.0	1.5	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.4	
62		TRACE	5.2	7.3	.0	.0	.0	.0	.0	.0	TRACE	.0	7.5	
63		1.6	.0	TRACE	TRACE	.0	.0	.0	.0	.0	2.1	.0	3.7	
64		1.5	TRACE	1.1	TRACE	.0	.0	.0	.0	.0	1.9	5.2	9.7	
65		5.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	4.1	9.5	
66		5.3	1.0	11.9	.0	.0	.0	.0	.0	.0	TRACE	TRACE	18.2	
67		3.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	3.2	6.5	
68		15.2	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	14.0	29.2	
69		20.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	26.7	
70		1.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.4	.5	1.9	
71		9.1	.2	9.3	TRACE	.0	.0	.0	.0	.0	.0	5.3	20.9	
72		*13.2	TRACE	.3	TRACE	.0	.0	.0	.0	.0	TRACE	5.2	*18.7	
73		1.2	.0	.5	.0	.0	.0	.0	.0	.0	.1	.1	2.5	
74		1.9	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	5.1	11.5	
75		4.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	1.2	1.4	6.5	
76		.0	1.0	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	1.5	
77		TRACE	.0	1.2	.0	TRACE	.0	.0	.0	.0	2.6	TRACE	5.5	
78		.0	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	6.1	.1	8.2	
79		TRACE	.2	.0	TRACE	.0	.0	.0	.0	.0	.0	9.0	9.3	
80		14.2	9.2	1.1	TRACE	.0	.0	.0	.0	.0	.0	*2.9	*26.4	
81		9.0	1.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	*TRACE	*11.0	
82		*7.0	TRACE	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	*7.7	
83		.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
84		.0	.0	.0	.0	TRACE	.0	.0	.0	.0	TRACE	2.2	3.2	
85		.0	3.0	.3	TRACE	TRACE	.0	.0	.0	.0	6.1	.7	10.7	
86		.0	5.2	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	5.2	
87		TRACE	TRACE	TRACE	.0									
MEAN		3.86	1.50	1.03	TRACE	TRACE	.00	.00	.00	TRACE	1.30	2.43	9.41	
STDEV		6.444	2.365	2.717	.000	.000	.000	.000	.000	.000	2.127	7.887	8.673	
TOTAL	0.5	837	762	437	810	806	910	837	837	610	837	910	829	5817

NOTE * BASED ON LESS THAN FULL MONTHS

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 39-40, 60-87

MONTH	AMOUNTS IN INCHES													OVRP	# DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS	
	NONL	TRACF	1	2	3	4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 48	49 TO 60	61 TO 120	MEAN				GREATEST LEA	
JAN	90.4	2.5	2.8	1.0	.8	.9	1.3	.2							7.1	863		
FEB	96.7	1.0	.6	.3	.3	1.1									2.3	771		
MAR	98.4	.8	.2	.1	.3	.1									.4	858		
APR	100.0																470	
MAY	100.0																458	
JUN	100.0																670	
JUL	100.0																490	
AUG	100.0																868	
SEP	100.0																340	
OCT	99.9	.1															257	
NOV	96.2	1.7	.4	.4	.2	1.7	.2								2.9	840		
DEC	92.8	2.6	1.5	.9	.8	1.0	.3								4.7	650		
ANN	97.9	.7	.5	.2	.2	.4	.1	.0							1.5	10295		

GLOBAL CLIMATOLOGY BRANCH
 WAFSC/AC
 AIR WEATHER SERVICE/AC

EXTREME VALUES OF SNOW DEPTH
 FROM DAILY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 34-RUN 63-67

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
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	TRACE	6	0	0	0	0	0	0	0	0	0	0
63	1	TRACE	0	0	0	0	0	0	0	0	TRACE	0	0
64	1	0	0	0	0	0	0	0	0	0	0	0	0
65	1	0	0	0	0	0	0	0	0	0	0	0	0
66	1	0	0	0	0	0	0	0	0	0	0	0	0
67	3	0	0	0	0	0	0	0	0	0	0	0	0
68	4	0	0	0	0	0	0	0	0	0	0	0	0
69	12	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	TRACE	0	0	0	0	0	0	0	0	0	0
72	0	5	0	0	0	0	0	0	0	0	0	0	0
73	1	0	0	0	0	0	0	0	0	0	0	0	0
74	TRACE	0	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	TRACE	0	0	0	0	0	0	0	0	0	0
77	TRACE	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	TRACE	TRACE	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	TRACE	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1.7	2.1	2.4	2.7	2.7	2.6	2.0	1.2	1.0	TRACE	0	1.4	1.6
TOTAL	5,187	1,467	1,204	1,111	1,003	1,111	1,000	1,000	1,000	1,000	2,247	7,111	3,411
TOTAL DAYS	99.7	79.1	69.8	67.7	66.9	71.1	69.7	66.6	64.7	66.7	64.7	66.7	67.5

NOTE: * - LATED OR LESS THAN FULL MONTHS

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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

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

SPEEDS PRESENTED IN KNOTS.

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

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

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

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 67-97

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS														
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC															
67						NN*17	SS*17	WS*18	SSW*21	SSW*39	S	36	SSW*32														
68	WS*33	S	30	SSW*38	SW	30	SW	26	SW	27	20*	27	27*	17	18	30	11	24	19	29	18	32	SSW*36				
69	11	28	14	28	19	36	19	30	27	24	27	18	21	18	23	23	19	26	20	26	21	31	17	40	17	40	
70	22	32	4	30	19	28	25	30	21	21	23	24	25	19	27	16	24	27	19	25	19	31	19	36	19	36	
71	21	38	20	27	19	43	22	26	22	42	28	20	24	20	17	22	17	25	14	30	26*	32	21	36	19	43	
72	26	40	18	35	22	39	21	29	22	17	20	19	27	18	17	18	30	29	7	19	22	19	20	33	26	40	
73	19	41	29	22	18	33	22	24	24	23	28	25	30	19	22	21	20	24	20*	27	26	27	20	41	19	41	
74	20	37	14	30	19	32	28	39	23	29	24	23	17	17	24	21	23	19	29	19	20	36	21	36	24	39	
75	25	42	27	37	26	32	25	31	19	24	19	14	36	16	19	30	24	17	18	30	17	31	24	44	24	44	
76	23	31	19	40	24	37	25	34	23	35	23	25	27	20	26	21	28	25	21	28	21	23	15	25	17	40	
77	21	24	22	37	19	38	24	28	17	21	26	27	30	19	17	20	27	20	27	32	24	31	19	34	17	39	
78	18	33	14	29	24	27	21	27	24	27	26	22	27	16	19	22	23	24	24	20	20	35	19	39	17	39	
79	21	24	27	45	19	26	17	34	24	30	28	24	24	21	29*	15	24	27	20	31	23	18	18*	31	22	46	
80	25	32	22	28	20	35	22	27	23	19	26	21	27	17	24	27	19	25	17	24	23	32	20*	26	20	35	
81	20*	22	23	41	21	24	26	29	27	17	27	20	24	24	23	16	19	26	24	25	17	32	17*	32	17	30	
82	23	38	19	24	26	26	22	31	25	23	27	18	19	19	32	16	18	23	19	31	21	24	20	44	20	44	
83	23	34	19	34	19	42	26	19	24	18	24	23	25	20	27	26	36	36	20	20	17	50	19	26	17	50	
84	23	32	19	36	16	38	17	29	24	35	26	29	27	25	23*	19	20	27	16	25	20	32	19	29	16	36	
85	19	19	24	29	18	38	19	30	25	25	29	25	31	25	32	24	21	24	22	32	20	29	22	26	18	36	
86	20	53	19	29	23	28	24	29	27	27	27	25	22	20	36	21	20	29	29	18	22	20	30	19	20	20	53
87	19	31	26	30	18	26	25	24																			
MEAN	33.8	33.4	33.3	29.0	25.2	22.3	19.6	21.0	25.9	26.4	31.4	34.0	42.1														
S.D.	7.613	5.958	5.895	4.168	5.638	5.591	2.716	3.674	5.274	5.378	4.454	7.246	5.414														
TOTAL OBS	613	565	616	597	587	583	617	589	599	611	594	607	7176														

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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			GE 56
N	.7	.6	.3									1.5	4.2
NNE	.2	1.0	.1	.1								1.4	5.6
NE	1.3	.1	.1									1.5	2.6
ENE	.3	.1										.4	2.5
E	1.1	.1										1.2	2.2
ESE	.9	.7	.2									1.4	3.3
SE	1.4	.7	.2									2.3	3.0
SSE	3.2	1.0	.1	.3								5.4	3.7
S	7.0	6.0	3.8	2.0	.5							20.2	5.7
SSW	1.0	2.7	2.8	.9	.2							7.7	7.2
SW	.3	.5	1.1	.8								2.7	8.3
WSW	.4	.7	.2	.1								1.0	5.9
W	.4	.7	.1									.9	4.0
WNW	.1											.1	2.0
NW	.3		.1									.4	4.0
NNW	.4	.1										.5	3.0
VARIABLE													
CALM	////////////////////											51.4	////
TOTALS	19.2	15.2	9.3	4.2	.8							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 913

GLO BAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.0	.2										1.2	2.5
NNE	.9	.4	.3									1.6	4.1
NE	.5	.4	.2		.2							1.4	6.2
ENE	.5											.5	1.8
E	.5	.1										.7	2.2
ESE	1.2	.1	.1									1.4	2.9
SE	1.5	.7	.1									2.3	3.2
SSE	3.3	2.1	.1	.1								5.6	3.5
S	5.9	5.8	4.2	1.8	.4							18.1	5.9
SSW	1.1	1.5	3.4	1.2	.1							7.3	7.9
SW	.2	.7	1.1	.4	.1							2.5	8.3
WSW		.2	.1	.3								.7	9.2
W	.3	.2										.5	3.0
WNW	.4	.1										.5	2.8
NW	.2											.2	1.5
NNW	.2											.2	2.5
VARIABLE													
CALM	////////////////////										55.0	////	
TOTALS	18.0	12.6	9.6	3.9	.9							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 79-87
 MONTH: JAN HOURS(LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	.1										1.0	3.0
NNE	1.0	.5	.5	.1								2.2	4.8
NE	1.1	.1	.2									1.4	2.8
ENE	.9	.1										1.0	2.1
E	.9	.2										1.1	2.6
ESE	.8	.2										1.1	2.6
SE	1.5	1.1	.1									2.7	3.3
SSE	4.3	1.1	.3	.1								5.8	3.1
S	6.8	6.2	4.1	2.5	.1							19.7	5.6
SSW	.5	2.2	1.8	2.2	.3							7.0	8.6
SW	.4	.3	.4	.3	.1							1.6	8.1
WSW	.2		.2									.4	5.5
W	.4	.3	.1									.9	3.5
WNW	.4	.1	.2									.8	3.7
NW	.2	.1										.3	3.0
NNW	.1											.1	1.0
VARIABLE													
CALM	////////////////////											52.7	////
TOTALS	20.3	13.2	8.0	5.3	.5							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 912

GLOIAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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			GE 56
N	.9	1.1	.1									2.1	3.7
NNE	1.9	.7	.1	.1								2.7	3.5
NE	1.3	.4	.3									2.4	3.8
ENE	1.0	.4										1.4	2.5
E	1.4	.7										1.6	2.1
ESE	.8	.3										1.1	2.3
SE	1.6	.9	.1									2.6	3.1
SSE	2.9	1.9	.1	.2								5.0	3.9
S	6.8	6.4	4.6	1.4	.2							19.4	4.5
SSW	.8	2.3	3.4	2.2	.1							8.8	8.3
SW	.7	.7	.7	1.0	.1							3.1	7.8
WSW	.3	.2	.1	.1	.1							.9	7.0
W	.8	.7		.1	.1							1.7	5.0
WNW	.4											.4	2.5
NW	.3	.1										.4	2.8
NNW	.5	.2										.8	2.6
VARIABLE													
CALM	////////////////////											45.9	////
TOTALS	22.4	16.2	9.5	5.2	.7							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS						TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27		
N	2.0	.8	.5	.1			3.4	4.0
NNE	2.1	2.4	1.9	.2			6.6	5.3
NE	2.7	1.4	.7	.3			5.2	4.2
ENE	1.3	.9	.2	.1			2.4	3.7
E	2.0	.4					2.4	2.3
ESE	.2	.5	.1				.9	4.4
SE	.5	.3		.1			1.0	4.1
SSE	1.8	.5	.3	.1			2.7	3.9
S	4.7	3.2	3.5	1.0	.1		12.5	5.6
SSW	.5	3.1	4.6	3.1	1.0		12.3	9.4
SW	1.3	2.1	2.0	2.0			7.3	7.7
WSW	.4	.6	.1	.2	.2		1.6	6.8
W	2.0	1.0	.3	.2			3.5	4.0
WNW	1.1	.7	.2				2.0	3.7
NW	1.3	.9					2.2	3.1
NNW	1.2	.3					1.5	2.5
VARIABLE								
CALC	////////////////////						32.7	////
TOTALS	25.2	19.2	14.5	7.5	1.3		100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 7P-87
MONTH: JAN 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	3.7	1.5	1.2									5.7	4.1
NNE	3.0	2.1	1.2	.1								6.4	4.3
NE	1.4	2.1	1.0									4.5	4.8
ENE	.7	.4	.1									1.2	3.4
E	1.1											1.1	1.9
ESE	1.4	.4										1.9	2.7
SE	1.2	.5	.2									2.6	3.0
SSE	1.6	.5	.4	.1								2.7	3.9
S	3.3	4.7	3.0	1.8	.1							12.9	6.3
SSW	2.1	3.4	4.2	1.6	.4							11.7	7.4
SW	.4	1.0	2.6	.7								4.7	7.5
WSW	.7	.7	.9	.3								2.6	6.2
W	1.5	.5	.3	.1	.1							2.6	4.6
WNW	1.0	.4	.1									1.5	3.5
NW	1.1	.1										1.2	2.3
NNW	1.3	.2										1.5	2.4
VARIABLE													
CALM	////////////////////											35.7	////
TOTALS	25.4	18.7	15.2	4.7	.7							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS (LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	.7	.5	.1								2.0	4.9
NNE	.8	1.3	.3	.1								2.5	4.7
NE	1.2	1.2	.2									2.6	3.6
ENE	.7	.4										1.1	2.7
E	.9	.1										1.0	2.2
ESE	.7											.7	1.8
SE	1.2	.7										1.9	3.0
SSE	2.5	1.6	.4									4.7	3.6
S	5.7	6.6	4.7	1.4	.4	.1						19.0	5.9
SSW	.5	2.4	3.5	1.6	.2	.1						8.4	6.4
SW	.1	1.4	.4	.3	.1							2.4	7.3
WSW	.2	.2	.5	.1								1.1	7.5
W	.4											.4	2.0
WNW	.4	.2										.7	3.0
NW	.7											.7	2.2
NNW	.4											.4	1.5
VARIABLE													
CALM	////////////////////											57.4	////
TOTALS	17.4	16.7	10.7	3.7	.8	.2						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/LMAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.2	.7							.5	4.2
NNE	1.1	.3	.3						1.8	3.8
NE	.8	.7	.3	.1					1.9	4.9
ENE	.7	.1							.9	2.6
E	1.4	.2							1.6	2.3
ESE	.4	.1	.1						.7	3.0
SE	1.6	1.1	.1						2.9	3.1
SSE	3.4	1.6	.5						5.6	3.6
S	5.7	7.8	4.5	1.8	.1	.1			20.0	5.7
SSW	.8	2.3	2.4	1.5	.1	.1	.1		7.3	6.6
SW	.2	.4	.5	.3					1.5	7.4
WSW	.3		.2		.1				.7	6.7
W	1.0	.1	.1	.1					1.3	8.3
WNW	.3	.7							.7	3.0
W	.1	.1							.2	3.0
WNW	.2								.2	1.5
VARIABLE										
CPLM	////////////////////								52.3	////
TOTALS	18.3	15.7	9.2	3.8	.3	.2	.1		100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 7A-97
 MONTH: JAN HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.2	.6	.3	.0								2.2	4.0
NNE	1.4	1.1	.6	.1								3.2	4.6
NE	1.3	.9	.4	.1	.0							2.6	4.2
ENE	.8	.3	.0	.0								1.1	2.9
E	1.2	.2										1.3	2.2
ESE	.8	.3	.1									1.1	2.9
SE	1.4	.7	.1	.0								2.3	3.2
SSE	2.9	1.4	.3	.1								4.7	7.6
S	5.7	5.9	4.0	1.7	.3	.0						17.7	14.8
SSW	.2	2.6	3.3	1.8	.3	.0	.0					6.8	8.3
SW	.5	.2	1.1	.7	.1							3.2	7.6
WSW	.3	.2	.3	.2	.1							1.1	6.7
W	.9	.2	.1	.1	.0							1.4	4.1
WNW	.5	.2	.1									.5	2.3
NW	.5	.2	.0									.7	2.8
NNW	.6	.1										.7	2.4
VARIABLE													
CALM	////////////////////											46.9	////
TOTALS	20.8	16.0	10.8	4.3	.7	.1	.0					100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 7297

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742073 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.4	.2										.6	2.6
NNE	1.1	.9										1.9	3.2
NE	1.2	.7	.1									1.9	3.0
ENE	.4	.7										.6	2.6
E	1.7	.1										1.6	2.1
ESE	.5	.9										1.4	3.4
SE	1.5	.7										2.2	2.5
SSE	3.3	2.1	.5	.2								6.0	3.9
S	7.1	7.2	6.3	1.9	.1	.2						22.3	5.9
SSW	.8	3.9	3.2	.9	.1							8.9	6.9
SW	.6	1.2	.6	.9								3.0	6.3
WSW	.1	.9	.1	.1								.7	6.3
W	.2	.7										.5	3.3
WNW	.5	.2										.7	2.9
W													
NW		.1										.1	4.0
VARIABLE													
CALM	////////////////////											47.9	////
TOTALS	19.3	18.7	10.8	3.1	.2	.2						100.7	2.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFAC
 AIR WEATHER SERVICE/MAAC

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

STATION NUMBER: 742073 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	.2	.1	.1								1.5	3.6
NNE	.7	1.1	.6									1.9	5.2
NE	1.1	.										1.7	2.5
ENE	.6	.1										.7	2.7
E	.2		.1									1.1	2.9
ESE	1.1	.9										1.9	2.1
SE	.9	.1	.2	.1								2.2	4.3
SSE	2.6	2.2	.5									5.4	4.1
S	6.6	8.7	5.6	1.3	.1							22.2	9.5
SSW	1.1	3.1	2.8	1.3	.2							4.5	7.1
SW	.9	1.3	1.9	.5	.1							3.7	7.9
WSW	.1	.9	.2			.1						.5	8.9
W	.9	.1	.1									.6	9.0
WNW	.9											.9	2.5
NW	.7											.7	2.0
NNW	.1											.1	2.0
VARIABLE													
CALM	////////////////////											46.9	////
TOTALS	17.7	19.3	12.2	3.3	.5	.1						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DIRECTION)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2	.1										1.1	2.6
NNE	1.2	.7										1.9	3.3
NF	1.2	.7	.1									2.0	3.1
FNE	.5	.1										.6	2.0
E	.9	.2	.1									1.2	2.5
ESE	.8											.8	2.1
SE	1.4	.7	.4									2.5	3.1
SSE	2.5	3.1	.6	.2								6.4	4.1
S	8.7	9.6	5.7	1.7								25.7	5.7
SSW	1.1	3.7	5.3	.5	.2							10.8	3.4
SW	.4	.5	.8	.1								1.8	2.9
WSW													
W	.4	.1		.2								.7	2.7
WW	.5	.5										.9	2.4
NW	.7	.1										.8	2.6
NNW	.2											.2	2.5
VARIABLE													
CALM	////////////////////											40.6	////
TOTALS	41.4	20.1	13.0	2.7	.2							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(EST): 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	.9	.4										1.3	2.9
NNE	1.2	1.8	.8									3.8	4.8
NE	3.4	1.5	.4									5.3	5.7
ENE	1.3	.5										1.8	2.7
E	.6											.6	2.0
ESE	.8	.7										1.5	3.3
SE	1.4	.5	.2									2.1	3.2
SSE	2.0	2.1	.6	.1								4.8	4.5
S	5.1	5.1	6.5	3.2	.5							20.5	6.8
SSW	.9	4.0	5.7	2.6	.4							13.6	8.2
SW	1.1	.8	2.2	.7	.2							5.1	7.8
WSW	.6	.7	.4	.2								1.9	5.4
W	1.2	1.1	.1									2.4	3.7
WNW	.6	.1	.1									.8	3.3
NW	.8	.1										.9	2.4
NNW	.8											.8	2.0
VARIABLE													
CALM	////////////////////											32.9	////
TOTALS	22.8	19.4	17.0	6.9	1.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 79-87
 MONTH: FEB 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	2.8	1.7	1.2									5.7	4.3
NNE	2.4	3.4	1.5	.1								7.4	4.9
NE	2.1	1.4	1.3									5.7	4.5
NNE	.5	.7	.1									.9	2.7
E	.8	.4										1.2	3.0
ESE	.7	.5	.1									1.3	3.9
SE	.5	.5										.9	4.0
SSE	1.1	1.2	.1	.4	.1							2.8	5.6
S	2.0	2.8	5.1	5.9	.2	.7						16.7	9.1
SSW	2.0	3.6	7.3	3.7	.2							17.0	8.1
SW	.9	3.4	2.7	.8								7.9	6.5
WSW	.8	.6	1.5	.2								3.2	6.5
W	1.7	1.5	.9	.4								4.5	5.7
WNW	1.1	.9										2.0	3.2
NW	1.7	1.6										3.5	7.6
NNW	1.3	1.3	.1	.1								3.5	3.9
VARIABLE													
CALM	////////////////////											16.8	////
TOTALS	22.3	26.5	22.1	11.5	.6	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
 USAF/CIAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 79-87
 MONTH: FEB 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	3.8	3.9	.9	.1								8.7	4.1
NNE	2.4	4.1	2.0	.2								8.7	5.2
NL	1.2	2.6	.7									4.5	4.6
ENE	.7	.2										.9	2.6
E	.9	.4										1.3	2.7
ESE	1.1	.8	.1	.1								1.9	3.6
SE	1.1	.5	.1									1.7	3.1
SSE	1.8	.5	.1	.2								3.0	3.7
S	2.0	5.1	5.6	2.5	.4							15.5	7.8
SSW	1.1	3.3	5.7	2.2								12.3	7.9
SW	.8	1.8	2.7	.2								5.6	6.6
WSW	1.1	1.5	2.0	.6								5.2	6.8
W	1.5	1.1	.6	.7	.1							4.0	6.2
WNW	1.9	.6	.2									3.1	3.4
NW	1.3	1.7	.1									3.2	3.9
NNW	2.4	1.4										3.8	2.9
VARIABLE													
CALM	////////////////////											16.7	////
TOTALS	24.9	30.0	20.9	7.0	.5							100.0	4.9

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.9	1.5	.5									3.9	3.8
NNE	1.2	2.4	1.1	.1								4.7	5.2
NE	.8	.9	.1									1.9	3.9
ENE	.7	.2										.9	2.8
E	1.5											1.5	1.7
ESE	.9	.5										1.4	2.7
SE	1.8	1.1		.4								3.2	3.9
SSE	2.2	2.0	.2									4.5	3.5
S	6.7	9.0	5.1	2.1								22.9	5.7
SSW	1.1	3.5	3.0	1.7								9.0	7.2
SW	.5	1.8	.8	.2								3.3	6.0
WSW	.1	1.2	.2									1.5	5.2
W	.9	.6	.4									1.9	4.1
WNW	.7	.6	.1									1.4	3.8
NW	.4	.2										.6	3.0
NNW	.8											.8	2.3
VARIABLE													
CALM	////////////////////											36.5	////
TOTALS	22.3	25.7	11.5	4.5								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	.2	.1									1.1	2.8
NNE	.6	1.4	.2									2.2	4.5
NE	1.7	.6	.4									2.6	3.5
ENE	.4											.4	1.7
E	.6	.2										.8	2.4
ESE	1.3	.1										1.4	1.9
SE	2.4	.9	.1	.1								3.5	3.3
SSE	3.2	1.8	.2	.1								5.3	3.4
S	7.2	8.4	4.3	1.4	.2							21.5	5.4
SSW	.9	3.3	2.8	1.4								8.5	7.3
SW	.7	.6	1.1	.4								2.7	6.7
WSW	.1	.2	.1									.5	4.8
W		.4		.1								.5	7.0
WNW	.6	.1										.7	2.5
NW	.2											.2	2.5
NNW	.5											.5	1.5
VARIABLE													
CALM	////////////////////											97.5	////
TOTALS	21.0	18.3	9.3	3.5	.2							100.0	2.6

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.6	1.0	.4	.0				3.0	3.8
NNE	1.3	2.0	.8	.1				4.1	4.8
NE	1.6	1.1	.4					3.0	3.8
ENE	.6	.2	.0					.9	2.7
E	1.0	.2	.0					1.2	2.4
ESE	.9	.5	.0	.0				1.4	2.9
SE	1.4	.7	.1	.1				2.3	3.5
SSE	2.3	2.0	.4	.2	.0			4.9	4.0
S	5.7	7.0	5.5	2.4	.2	.1		20.8	6.2
SSW	1.1	3.5	4.5	1.8	.1			11.1	7.6
SW	.7	1.4	1.6	.4	.0			4.1	6.8
WSW	.4	.6	.6	.1		.0		1.7	6.4
W	.8	.6	.3	.2	.0			1.9	5.0
WNW	.8	.4	.1					1.3	3.2
NW	.7	.4	.0					1.2	3.4
NNW	.8	.4	.0	.0				1.2	3.0
VARIABLE									
CALM	////////////////////							35.9	////
TOTALS	21.5	22.2	14.6	5.3	.4	.1		100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 7A-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			GE 56
N	.3	.4	.2									1.0	4.1
NNE	.2	.3	.1									.6	4.7
NE	.2	.4										.6	5.3
ENE	.3	.2										.5	2.8
E	1.1											1.1	2.2
ESE	.6											.6	1.8
SE	3.0	.4	.1									4.0	2.8
SSE	4.4	2.6	.2	.2								7.4	3.5
S	9.0	6.3	3.9	1.6	.1							21.0	5.0
SSW	1.7	3.5	1.8	.3								7.4	5.5
SW	.3	.8	.6	.2								1.9	6.6
WSW	.4	.1	.2									.8	5.0
W	.9				.1							1.0	3.9
WNW	.3											.3	2.0
W	.3											.3	1.7
NNW	.1	.1										.2	4.0
VARIABLE													
CALM	////////////////////											51.2	////
TOTALS	23.3	15.7	7.2	2.4	.2							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS (LST): 0600-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	.7	.1									.5	4.3
NNE	.6	.7	.1									1.0	3.7
NE	.4	.7	.1									.9	4.0
ENE	.1											.1	2.0
E	.2											.2	1.5
ESE	.3	.1										.4	2.0
SE	2.6	.9										3.4	2.9
SSE	3.9	2.9	.1	.1								7.0	3.3
S	8.7	7.8	3.4	1.5	.2							21.7	4.9
SSW	1.4	3.5	1.7	.3								7.0	5.7
SW	.5	.6	.3									1.5	4.4
WSW	.5	.3	.1									1.0	3.6
W	.2	.2										.4	3.3
WNW	.4	.3										.6	3.3
NW	.2											.2	2.0
NNW	.5											.5	1.4
VARIABLE													
CALM	////////////////////											53.1	////
TOTALS	21.1	17.6	6.0	1.9	.2							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: MAR 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										.6	4.7
NNE	.8	.3	.1									1.2	3.2
NE	.8	.4	.1									1.3	3.5
ENE	.5											.5	2.2
E	.3	.1										.4	2.0
ESE	.4	.4										.8	3.4
SE	.9	1.0		.1								1.9	3.9
SSE	5.9	2.9	.5	.2								9.6	3.4
S	8.8	6.9	4.8	1.4	.1							22.0	5.1
SSW	2.0	1.9	2.4	.5								6.9	5.8
SW	1.1	1.1	.6	.1								2.9	4.7
WSW	.1	.2		.1								.4	6.0
W	.6	.1	.1	.1								1.0	4.2
WNW	.6		.1									.8	2.7
NW	.2	.1										.3	3.3
NNW	.5	.1										.6	2.2
VARIABLE													
CALM	////////////////////											48.4	////
TOTALS	23.9	16.0	8.8	2.6	.1							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 74-87
 MONTH: MAR 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	1.7	1.1	.2									3.0	3.2
NNE	2.3	2.7	1.0	.3								6.2	4.5
NE	2.2	1.4	.5	.2								4.3	4.5
ENE	.9	.2										1.1	2.5
E	1.2	.5										1.7	2.7
ESE	.4	.2										.6	3.3
SE	.9	.5	.2	.3								1.9	5.3
SSE	2.4	2.7	.5	.1								5.2	5.0
S	3.9	5.1	5.1	3.0	.1							17.1	6.9
SSW	2.3	3.8	6.6	1.5								14.1	7.1
SW	1.6	3.9	2.6	.2								8.1	5.2
WSW	.6	1.3	.5	.2	.2							2.9	6.2
W	1.0	.2	.8	.2								2.8	5.4
WNW	1.2	.5										1.7	2.5
W	1.5	.4	.1									2.4	3.1
WNW	1.1	.2										1.4	2.5
VARIABLE													
CALM	////////////////////											25.1	////
TOTALS	24.2	25.1	14.1	6.1	.3							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 930

JOURNAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(151): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS						TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27		
N	3.5	5.7	1.4				10.4	4.4
NNE	1.0	3.8	1.5	.1			6.3	5.6
NE	1.6	1.5	.8	.2			4.1	4.8
ENE	.7	.1	.2	.1			1.0	6.5
E	.4	.1					.5	2.6
ESE	.2	.1	.2				.5	5.8
SE	.6	1.2	.1				1.9	4.3
SSE	1.1	1.1	.8	.4			3.3	5.6
S	1.4	3.2	5.3	3.1	.3		13.2	8.1
SSW	1.7	5.1	5.5	2.3	.1		14.6	7.4
SW	1.0	3.4	4.3	1.1	.1		9.9	7.2
WSW	1.4	1.1	1.0	.2	.1		4.9	6.6
W	2.2	2.5	1.3	.5			6.5	5.1
WNW	2.4	2.3	.4	.1			5.2	4.0
NW	2.7	2.2	.4				5.3	3.8
NNW	1.8	2.3	.5				4.6	4.0
VARIABLE								
CALM	////////////////////						7.3	////
TOTALS	23.2	36.7	23.7	8.5	.6		100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 74207J STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 76-87
 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	3.8	4.0	1.3									9.0	4.0
NNE	1.9	4.7	2.3	.1								8.5	5.3
NE	1.5	2.2	.9									4.5	4.6
ENE	.2	.2										.4	3.5
E	.6	.4										1.1	3.4
ESE	.5	.1	.1									.8	3.6
SE	1.0	.6										1.7	3.1
SSE	1.1	.7	.4	.3								2.7	5.0
S	1.6	5.3	5.4	1.2	.2							13.7	6.9
SSW	.5	4.0	4.1	1.1	.2							9.9	7.2
SW	1.9	3.0	2.9	1.0	.1							8.9	6.6
WSW	.5	2.5	2.5	1.6								7.1	7.8
W	2.3	2.6	1.6	.6								7.1	5.5
WNW	2.0	3.1	.8	.1								6.0	4.5
W	2.0	1.7	.5									4.3	3.9
NNW	2.6	2.4	.8	.1								5.9	4.4
VARIABLE													
CALM	////////////////////											8.5	////
TOTALS	24.2	37.7	23.4	6.1	.5							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFMPC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742073 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(LIST): 1400-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	0.4	1.9	.3									2.6	2.4
NNE	2.4	2.7	.6									5.7	4.0
NL	1.7	1.9	.1									3.7	3.2
ENE	1.0											1.0	2.0
E	1.1		.1									1.2	1.4
ESE	.8	.4										1.2	2.4
SE	1.6	.8	.2									2.6	3.1
SSE	2.7	2.8	.4	.2	.1							6.2	4.0
S	5.3	5.4	1.9	.9								13.5	4.9
SSW	1.9	3.3	2.2	.1								7.5	5.3
SW	1.7	3.3	1.8									6.8	5.3
WSW	1.3	1.9	1.4	.4								5.0	6.0
W	1.4	1.4	.9	.1								3.8	4.6
WNW	1.3	.9	.8									3.0	4.1
NW	1.5	.3	.1									1.9	2.5
NNW	1.2	.1										1.3	2.2
VARIABLE													
CALM	////////////////////											32.2	////
TOTALS	28.6	26.1	10.9	1.7	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 209

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-56		
N	.1	.7	.1									.5	4.4
NNE	1.2	.7	.1									1.1	2.9
NE	.6	.9	.2									1.3	4.1
NNE	.3											.7	1.7
E	.2	.1										.7	2.7
ESE	.9	.7										1.1	2.4
SE	2.7	.5										2.7	2.4
SSE	4.9	2.5	1.3									5.7	3.7
S	7.6	7.5	3.1	.6	.1							19.0	4.6
SSW	2.7	3.8	1.9	.7								9.1	5.2
SW	.5	1.5	.8	.7								3.5	5.5
WSW	.2	.8	.1	.1								1.2	5.7
W	.5	.2		.1								.9	4.0
WNW	.4	.3	.1									.9	4.1
W	.7	.1										.9	3.0
WNW	.1	.1										.7	3.0
VARIABLE													
CALM	////////////////////											49.6	////
TOTALS	22.0	19.0	7.8	1.4	.1							100.0	2.2

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.5	1.7	.5									3.8	4.0
NNE	1.3	1.7	.7	.1								3.8	4.8
NE	1.1	1.1	.3	.1								2.5	4.2
ENE	.4	.1	.0	.0								.6	3.0
E	.6	.2	.0									.8	2.6
ESE	.5	.2	.0									.8	3.1
SE	1.6	.8	.1	.1								2.5	3.3
SSE	3.3	2.2	.5	.2	.0							6.2	3.8
S	5.8	6.0	4.1	1.7	.1							17.7	5.6
SSW	1.7	3.0	3.3	.9	.0							9.4	6.4
SW	1.1	2.3	1.8	.3	.0							5.5	6.1
WSW	.6	1.1	.7	.4	.0							2.9	6.6
W	1.1	1.0	.6	.2	.0							2.9	5.0
WNW	1.1	.4	.3	.0								2.3	3.9
NW	1.1	.6	.1									1.9	3.4
NNW	1.0	.7	.2	.0								1.8	3.7
VARIABLE													
CALM	////////////////////											34.5	////
TOTALS	23.9	24.2	13.2	3.9	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742073 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2											.2	1.5
NNE	.3	.1										.4	3.0
NE	1.1	.3										1.4	2.5
ENE													
E	.4	.1										.6	1.8
ESE	.7	.3										1.0	2.9
SE	1.7	.7										1.9	2.0
SSE	4.2	2.5	.3	.1								7.2	3.5
S	12.1	10.2	4.0	.6								26.9	4.3
SSW	1.8	4.6	2.2	.2								8.8	5.6
SW	1.2	2.2	.8	.3								4.6	5.3
WSW	.3	.2	.2		.1							.9	6.3
W	1.1	.3	.1	.1								1.7	3.5
WNW	.8	.2										1.0	2.0
NW	.1	.2										.3	3.7
NNW	.4	.1										.6	2.4
VARIABLE													
CALM	////////////////////											42.6	////
TOTALS	26.6	21.7	7.7	1.3	.1							100.0	2.4

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 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			GE 56
N													
NNE	.3	.3										.7	3.2
NE	.2	.1										.3	2.7
ENE	.2											.2	2.0
E	.9											.9	1.9
ESE	.8	.1										.9	1.9
SE	1.8	.4										2.2	2.5
SSE	7.6	2.1	.4	.1								10.2	2.9
S	13.3	11.2	3.3	.9								28.8	4.1
SSW	1.7	3.4	3.0	.4								8.6	5.9
SW	1.0	1.1	1.0									3.1	5.1
WSW	.3	.6										.9	3.5
W	.4	.6										1.0	3.0
WNW	.2	.2	.1									.6	3.8
NW	.1											.1	2.0
NNW	.3	.1										.4	3.0
VARIABLE													
CALM	////////////////////											41.1	////
TOTALS	29.2	20.3	7.9	1.4								100.0	2.4

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION DEGREES	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.3	.1										.4	2.5
NNE	.6	.8										1.3	3.6
NE	1.8	.4	.1									2.3	2.7
ENE	.6	.1	.1									.8	3.0
E	.6											.6	1.8
ESE	.4	.2										.7	2.3
SE	1.8	.6	.2									2.6	3.3
SSE	3.7	2.2	.3									6.2	3.3
S	13.1	8.7	5.3	1.7								28.8	4.5
SSW	1.8	5.7	4.3	.6								12.3	6.1
SW	.7	1.9	1.2	.1								3.9	5.7
WSW	.4	.6	.3									1.3	5.1
W	.9	.3										1.2	2.5
WNW	.6											.6	1.8
NW	.8	.1										.9	1.9
NNW	.3	.2										.6	3.0
VARIABLE													
CALM	////////////////////											35.6	////
TOTALS	28.2	21.9	12.0	2.3								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOHAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.9	2.0	.9									5.8	4.0
NNE	2.2	2.8	1.2									6.2	4.6
NE	2.4	2.1	.8									5.3	4.0
ENE	.8	.7										1.0	2.8
E	.6	.4										1.0	3.8
ESE	.1											.1	2.0
SE	.6	.7	.2	.1								1.1	5.1
SSE	1.3	1.0	.4									2.8	4.0
S	2.4	4.4	6.1	2.9	.1							16.0	7.4
SSW	2.3	5.0	7.4	2.7								17.0	7.2
SW	1.7	3.1	3.3	.8								8.9	6.5
WSW	1.0	2.7	2.2	.2								6.1	6.0
W	1.9	2.0	1.1	.4								5.4	5.4
WNW	1.8	.6	.2	.1								2.7	3.5
NW	1.3	.8										2.1	3.2
NNW	2.6	.8										3.3	2.6
VARIABLE													
CALM	////////////////////											15.1	////
TOTALS	25.9	28.1	24.0	6.8	.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 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	4.8	5.7	.9									11.3	4.2
NNE	1.8	2.4	1.8	.2								6.2	5.0
NE	1.4	1.6	.8									3.9	4.7
ENE	.2	.2										.4	2.8
E	.2		.1									.3	4.3
ESE	.1	.2	.1	.1								.6	6.8
SE		.3										.3	5.3
SSE	.4	.3	.6	.3								1.7	6.5
S	1.0	2.7	4.3	2.8	.3							11.1	8.5
SSW	1.0	4.1	5.7	3.1								13.9	7.9
SW	1.8	3.7	4.6	1.2								11.2	6.7
WSW	.9	2.2	2.7	.6								6.3	6.9
W	2.1	4.2	2.4	1.7								10.4	6.6
WNW	2.2	1.7	1.0	.1								5.0	4.6
NW	2.3	3.0	.6									5.9	4.0
NNW	2.7	4.0	.6									7.2	3.9
VARIABLE													
CALM	////////////////////											4.2	////
TOTALS	23.0	36.3	26.0	10.1	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 960

GLO BAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT L ... /GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	4.6	5.5	2.0					12.0	4.3
NNE	2.2	3.6	1.9					7.7	4.9
NE	1.4	1.8	.6					3.8	4.4
ENE	.2	.1	.1					.4	5.0
E	.4	.1						.6	2.0
ESE		.7	.1					.3	6.7
SE	.3	.7	.1					.7	4.0
SSE	.4	1.7	.7	.1				2.4	5.5
S	1.1	2.7	4.2	1.0		.1		9.1	7.3
SSW	1.1	4.1	4.2	1.1	.1			10.7	7.2
SW	1.7	4.0	4.6	.7				11.1	6.5
WSW	1.6	1.7	2.7	.9				6.8	6.8
W	1.3	2.9	3.1	1.6				8.9	7.1
WNW	1.8	4.7	1.4	.9				8.8	5.7
NW	2.3	4.1	1.4					7.8	4.5
NNW	2.2	2.1	.7					5.0	4.0
VARIABLE									
CALM	////////////////////							3.8	////
TOTALS	22.8	38.9	28.1	6.2	.1	.1		100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: APR HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.9	2.6	.1									6.6	3.1
NNE	3.8	4.0	.3									8.1	3.7
NE	2.5	1.6	.2									4.2	3.1
ENE	.2	.1	.1	.1								.6	5.2
E	.7											.7	2.3
ESE	.7	.7										.9	2.8
SE	.8	.5	.1									1.2	3.0
SSE	1.4	1.4	.3									3.2	4.1
S	1.9	6.4	3.3	.7								12.3	5.9
SSW	1.8	4.0	3.2	.4								9.5	5.8
SW	1.7	4.8	2.2	.2								8.9	5.4
WSW	.8	2.7	2.0	.4	.1							5.7	6.5
W	2.8	3.8	3.1	.4								10.1	5.5
WNW	2.1	2.5	.8	.2								5.6	4.7
NW	.9	1.1	.4									2.5	4.4
NNW	2.0	.3										2.3	2.3
VARIABLE													
CALM	////////////////////											17.6	////
TOTALS	27.9	35.5	16.4	2.6	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 79-87
 MONTH: APR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.4	.7										.7	2.7
NNE	2.0	1.1	.1									3.2	3.1
NE	.9	.6										1.4	2.8
ENE	.8											.8	1.9
E	.6											.6	2.2
ESE	.6	.4	.1									1.4	3.8
SE	1.6	1.0	.2									2.8	3.2
SSE	4.3	2.7	.2	.2								7.5	3.6
S	9.3	9.7	3.7	.4								23.1	4.4
SSW	2.3	5.5	2.0	.2								10.0	5.1
SW	2.1	2.2	1.1	.2	.1							5.8	4.9
WSW	.7	.6	.1	.1								1.4	4.4
W	1.9	1.9	.1									3.9	3.6
WNW	1.0	1.0										2.0	3.3
NW	.6	.2										.8	2.7
NNW	1.1	.2										1.3	2.5
VARIABLE													
CALM	////////////////////											33.2	////
TOTALS	30.1	27.6	7.7	1.7	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.1	2.0	.5									4.6	3.9
NNE	1.7	1.9	.7	.0								4.2	4.3
NE	1.5	1.1	.3									2.8	3.7
ENE	.4	.1	.0	.0								.5	3.2
E	.5	.1	.0									.6	2.5
ESE	.4	.3	.0	.0								.7	3.4
SE	1.1	.4	.1	.0								1.6	3.2
SSE	2.9	1.7	.4	.1								5.2	3.7
S	6.8	7.0	4.3	1.4	.1	.0						19.5	5.2
SSW	1.7	4.5	4.0	1.0	.0							11.3	6.5
SW	1.5	2.4	2.4	.4	.0							7.2	6.0
WSW	.8	1.3	1.3	.3	.0							3.7	6.3
W	1.6	2.0	1.3	.5								5.3	5.7
WNW	1.3	1.7	.4	.2								3.3	4.6
NW	1.1	1.2	.3									2.5	4.0
NNW	1.5	1.0	.2									2.6	3.4
VARIABLE													
CALM	////////////////////											24.2	////
TOTALS	26.7	28.4	16.2	4.0	.1	.0						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 7192

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 74207D STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	.1										.3	2.0
NNE		.1										.1	4.0
NE	.5											.5	2.4
ENE													
E	.2											.2	1.5
ESE	.5	.1										.6	2.2
SE	1.3	.1										1.4	1.8
SSE	4.7	.9	.1									5.7	2.4
S	8.1	8.8	1.5									18.4	3.7
SSW	3.9	4.9	3.7	.2								12.7	5.4
SW	2.6	2.5	1.0	.5								6.6	4.9
WSW	.3	.8	.1									1.2	4.2
W	1.0	.8	.1									1.8	3.4
WNW	.6	.7										1.0	2.7
NW	.4	.1										.5	2.6
NNW	.1	.1										.2	2.5
VARIABLE													
CALM	////////////////////											49.7	////
TOTALS	24.5	19.6	6.5	.8								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.1											.1	2.0
NNE	.1											.1	2.0
NE	.1											.1	2.0
ENE	.2											.2	2.0
E	.1	.2										.3	4.0
ESE	.3											.3	1.3
SE	1.4	.2										1.6	1.9
SSE	5.4	1.1			.1							6.6	2.5
S	11.2	10.0	1.8									23.0	3.7
SSW	3.8	4.4	2.6									10.8	4.7
SW	1.4	3.0	.6	.1								5.2	4.6
WSW	.8	.1	.2	.1								1.2	4.4
W	.6	.4										1.1	3.3
WNW	.5	.4										1.0	2.6
NW	.2											.2	1.5
NNW													
VARIABLE													
CALM	////////////////////////////////////										48.3	////	
TOTALS	26.2	19.7	5.3	.5								100.0	1.9

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.3	.2										1.5	2.5
NNE	.9	.2	.1									1.2	3.3
NE	1.0	.5										1.5	2.8
ENE	.2											.2	2.0
E													
ESE	.2	.1										.2	2.0
SE	1.0											1.0	1.8
SSE	2.4	1.3	.2									3.9	3.2
S	10.8	7.7	2.6									21.1	3.9
SSW	3.0	6.7	5.5	.5								15.4	5.8
SW	2.9	2.5	2.4	.2								8.0	5.0
WSW	1.3	.8	.4									2.5	3.7
W	1.5	.6	.2									2.4	3.2
WNW	1.3	.4										1.7	2.5
W	.4	.2										.6	2.3
NNW	.9	.2										1.1	2.1
VARIABLE													
CALM	////////////////////////////////////										37.7	////	
TOTALS	28.9	21.7	11.4	.8								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	3.5	3.4	.3	.2								7.5	4.0
NNE	1.9	2.2	.5									4.5	3.9
NE	1.1	1.3	.2									2.6	3.9
ENE	1.0	.3	.1									1.4	3.2
E	1.0	.1										1.1	2.1
ESE	.4	.1										.5	2.6
SE	.2	.4										.6	3.5
SSE	.6	.6	.1	.1								1.5	4.6
S	3.1	2.3	2.3	1.0								8.6	5.7
SSW	2.6	5.5	6.0	1.4								15.5	6.7
SW	3.3	4.7	2.8	.6								11.5	5.6
WSW	1.7	2.0	1.7	.5								6.0	5.6
W	4.5	3.4	1.8									9.8	4.1
WNW	2.0	2.2	.5									4.7	4.0
NW	4.0	1.7	.4									6.1	3.3
NNW	2.9	1.5	.2									5.1	3.2
VARIABLE													
CALM	////////////////////											12.9	////
TOTALS	33.9	32.3	17.1	3.4								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: MAY 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	4.4	4.3	1.7									10.4	4.2
NNE	2.3	2.5	1.0									5.7	4.3
NE	.5	1.5	.5									2.6	4.9
ENE	.4	.3										.8	3.7
E	.5	.2										.8	2.7
ESE	.1	.3										.4	3.5
SE	.8	.4										1.2	3.2
SSE	.3	.9	.2	.1								1.6	4.9
S	1.6	2.7	1.9	.3	.1							6.7	6.7
SSW	1.3	3.7	2.6	.9								8.0	6.5
S	2.0	4.2	3.7	.4	.1							10.4	6.2
WSW	1.7	2.9	2.3	1.5	.1							8.5	6.9
W	4.3	4.8	1.9	1.6	.1	.1						12.9	5.8
WNW	2.4	4.4	1.1	.1								8.0	4.6
NW	3.7	3.3	.8									7.7	3.8
NNW	3.0	4.7	.2									7.9	3.8
VARIABLE													
CALM	////////////////////											7.1	////
TOTALS	29.4	40.2	17.8	4.9	.4	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(UT): 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	3.8	5.3	1.1									10.1	4.2
NNE	2.4	3.8	1.4									7.6	4.7
NE	1.3	1.4	1.0									3.7	4.5
ENE	.4	.5										1.0	3.0
E	.9		.1									1.0	2.9
ESE	.9	.3										1.2	2.4
SE	1.0	.1	.1	.1								1.3	4.0
SSE	.8	.3										1.1	2.9
S	1.5	2.8	.9	.3								5.5	5.1
SSW	1.6	2.5	2.0	.6								6.6	6.1
SW	2.6	2.9	2.5	.9								8.9	6.0
WSW	.9	2.9	3.1	1.2								8.1	7.4
W	2.2	4.7	6.0	1.5	.4	.1						14.9	7.3
WNW	2.6	3.8	3.0	1.7								11.1	6.3
NW	2.2	3.1	1.8									7.1	5.0
NNW	3.2	2.5	.3									6.0	3.5
VARIABLE													
CALM	////////////////////											5.2	////
TOTALS	28.0	36.7	23.3	6.3	.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	3.4	1.5	.1									5.1	2.9
NNE	4.2	3.9	1.2									9.2	3.9
NE	1.1	1.3	.4									2.8	4.2
ENE	.4	.4										.9	3.1
E	.8	.1										.9	1.8
ESE	.5	.1	.1									.8	3.1
SE	1.0											1.0	1.7
SSE	1.2	.9	.1									2.0	3.1
S	2.3	3.7	1.0	.2								7.1	4.7
SSW	2.4	2.4	1.5	.5								7.2	5.3
SW	2.2	3.8	2.9	.2								9.0	5.4
WSW	1.3	3.1	2.7	.3								7.4	6.3
W	3.0	4.7	5.4	.8								13.9	6.2
WNW	2.4	4.9	4.1	.4								11.8	5.8
W	2.9	2.3	1.1	.1								6.3	4.4
NNW	1.6	1.2	.2									3.0	3.6
VARIABLE													
CALM	////////////////////											11.6	////
TOTALS	30.5	34.5	20.8	2.6								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.4	.4										.9	2.9
NNE	.6	.9										1.5	3.5
NE	1.2	.4										1.6	2.5
ENE	.3	.2										.5	2.4
E	.5											.5	1.8
ESE	.6											.6	1.7
SE	1.2	.4										1.6	2.9
SSE	1.9	1.6	.2									3.9	3.3
S	6.6	5.1	.5									12.2	3.4
SSW	3.8	6.0	2.4	.2								12.4	4.7
SW	2.5	3.9	1.3	.3								8.0	4.9
WSW	1.5	1.2	.6									3.3	4.1
W	4.0	3.3	.5									7.8	3.6
WNW	2.9	1.7	.1									4.7	3.2
NW	2.2	1.0										3.1	2.7
NNW	.6	.1										.8	2.3
VARIABLE													
CALM	////////////////////											36.7	////
TOTALS	30.9	26.2	5.7	.5								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.2	1.9	.4	.0								4.5	3.8
NNE	1.5	1.7	.5									3.7	4.1
NE	.8	.8	.3									1.9	4.0
ENE	.4	.2	.0									.6	3.0
E	.5	.1	.0									.6	2.4
ESE	.5	.1	.0									.6	2.5
SE	1.0	.2	.0	.0								1.2	2.6
SSE	2.2	.2	.1	.0								3.3	3.0
S	5.6	5.4	1.6	.2	.0							12.8	4.2
SSW	2.8	4.4	3.3	.6								11.0	5.7
SW	2.4	3.4	2.1	.4	.0							9.4	5.4
WSW	1.2	1.7	1.4	.5	.0							4.8	6.0
W	2.6	2.9	2.0	.5	.1	.2						8.1	5.5
WNW	1.9	2.3	1.1	.3								5.5	5.0
NW	2.0	1.5	.5	.0								4.0	3.9
NNW	1.5	1.3	.1									2.9	3.4
VARIABLE													
CALM	////////////////////											26.0	////
TOTALS	29.0	28.8	13.5	2.5	.1	.0						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1											.1	1.0
NNE		.1										.1	4.0
NE													
ENE													
E	.1											.1	2.0
ESE													
SE	.7		.1									.8	2.3
SSE	2.8	.9										3.7	2.5
S	9.8	5.1	.4									15.3	3.1
SSW	3.6	6.9	2.1									12.6	4.8
SW	2.1	3.4	1.0	.1								6.7	4.5
WSW	1.3	.8	.2									2.3	3.6
W	2.1	.9		.1								3.1	3.2
WNW	2.3	1.0										3.3	2.7
NW	2.2	.3										2.6	2.1
NNW	.7	.1										.8	2.3
VARIABLE													
CALM	////////////////////											48.6	////
TOTALS	27.8	19.6	3.9	.7								103.0	1.8

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.1											.1	1.0
NNE													
NE	.1											.1	3.0
ENE													
E	.1											.1	1.0
ESE	.2											.2	1.0
SF	.2	.1										.3	2.3
SSE	3.4	1.0										4.4	2.5
S	11.4	4.6	.6									16.6	2.9
SSW	3.0	5.7	1.7									10.3	4.6
SW	3.2	3.4	1.1									8.1	4.0
WSW	.8	.7	.1									1.6	3.5
#	2.7	.2										2.9	2.3
WNW	1.0	.4										1.4	2.8
NW	.4	.2										.7	2.8
NNW													
VARIABLE													
CALM	////////////////////											53.1	////
TOTALS	2.8	16.7	3.4									100.0	1.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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	GE 56		
N	1.3	.7										2.0	2.9
NNE	1.3	1.0	.7									3.0	4.3
NE	1.2	.7										1.9	2.9
ENE	.8		.1									.9	2.4
E	.2	.1										.3	2.7
ESE	.1											.1	3.0
SE	.7	.7										.9	2.3
SSE	2.3	.7										3.0	2.3
S	5.9	6.3	1.2	.1								13.6	4.0
SSW	4.7	7.2	2.2	.3								14.4	4.6
SW	5.3	4.9	2.0	.1								12.3	4.2
WSW	2.1	1.7	.7									4.4	4.1
W	3.1	1.7	.1	.1								5.0	3.0
WNW	2.7	.4										3.1	2.1
NW	1.6	.7										1.9	2.1
NNW	1.1	.7										1.3	2.1
VARIABLE													
CALM	////////////////////											31.9	////
TOTALS	34.4	26.0	7.0	.7								100.0	2.5

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUN 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	3.8	4.2	1.0	.1								9.1	4.1
NNE	2.6	2.2	1.6	.1								6.4	4.7
NE	.9	.7	.4									2.0	4.3
ENE	.2	.2	.1									.6	4.4
E	.7											.7	1.2
ESE	.3	.1										.4	2.3
SE	.9	.1										1.0	2.1
SSE	.9	.9										1.8	3.2
S	2.2	3.4	2.7	.2								8.6	5.3
SSW	1.8	6.6	3.1	.2								11.7	5.6
SW	3.2	5.1	3.6	.6								12.4	5.6
WSW	2.7	3.2	1.4	.2								7.6	4.9
W	4.0	3.6	1.8	.1								9.4	4.2
WNW	2.7	2.2	.2	.1								5.2	3.6
NW	3.1	2.6	.1									5.8	3.2
NNW	3.0	3.0	.3									6.3	3.6
VARIABLE													
CALM	////////////////////											11.0	////
TOTALS	32.9	38.1	16.3	1.7								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUN 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	4.7	6.6	1.9									13.1	4.4
NNE	2.0	4.4	1.2									7.7	4.7
NE	.6	1.0	.7									2.2	5.6
ENE	.1	.2	.1									.4	4.5
E	.3	.1										.4	2.8
ESE	.2	.1										.3	3.0
SE	.6	.2										.8	3.0
SSE	.6	.7										1.2	3.9
S	1.0	2.7	1.6	.1								5.3	5.5
SSW	1.8	3.3	3.7	.6								9.3	6.2
SW	2.1	4.6	5.3	1.0								13.0	6.5
WSW	2.2	2.6	3.1	.8								8.7	6.2
W	3.1	3.8	2.0	.4	.1							9.4	5.4
WNW	2.3	4.1	1.9	.3								8.7	5.1
NW	3.1	3.9	1.7									8.7	4.5
NNW	2.6	4.0	.6									7.1	4.0
VARIABLE													
CALM	////////////////////											3.6	////
TOTALS	27.2	42.2	23.7	3.2	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS: 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	3.8	5.8	1.8	.1								11.4	4.6
NNE	1.8	3.7	1.0									6.4	4.6
NE	1.4	1.5	.7									4.0	4.4
ENE	.9	.7	.1									1.7	3.5
E	.1											.1	1.0
ESE	.3											.3	1.7
SE	.4	.3										.8	2.6
SSE	.3	.4										.8	4.1
S	1.1	2.6	1.0	.2								5.1	5.2
SSW	.8	3.4	2.0	.2								6.4	5.9
SW	1.6	3.4	3.9	.3								9.2	6.1
WSW	2.2	2.3	2.2	1.4								8.2	6.4
W	1.6	4.7	3.6	.6	.2							10.6	6.4
WNW	2.1	5.4	4.0	.7								12.7	5.9
NW	2.1	5.3	2.2	.2								9.9	5.2
NNW	2.8	2.8	.7									6.2	4.1
VARIABLE													
CALM	////////////////////											6.1	////
TOTALS	23.3	43.4	23.1	3.8	.2							100.0	5.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	4.3	3.4	.4									8.2	3.4
NNE	3.7	6.6	1.6									11.8	4.3
NE	2.6	2.0	.3									4.9	3.5
ENE	.4	.1	.2									.8	3.9
E	.3	.1										.4	2.0
ESE													
SE	.4											.4	2.0
SSE	.7											.7	1.8
S	2.3	1.7	.6									4.6	3.9
SSW	1.8	4.2	1.4	.1								7.6	5.0
SW	1.9	4.6	2.2	.3								9.0	5.5
WSW	1.0	1.9	.8	.4								4.1	5.5
W	1.9	5.0	4.3	.6								11.8	6.1
WNW	2.2	8.2	3.9	.3								14.7	5.8
NW	1.9	4.4	1.4	.1								7.9	5.0
NNW	2.3	1.4	.2									4.3	3.4
VARIABLE													
CALM	////////////////////											8.9	////
TOTALS	27.8	44.0	17.4	1.9								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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(157): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56			
N	1.7	.3											2.0	2.1
NNE	1.7	.9											2.6	2.8
NE	1.3	.6											1.9	3.1
ENE	.6	.1											.7	1.7
E														
ESE														
SE	.2												.2	1.5
SSE	.7	.2											.9	2.6
S	5.6	4.2	.3										10.1	3.3
SSW	3.9	5.7	1.4										11.0	4.4
SW	2.9	3.7	1.6										8.1	4.6
WSW	1.0	1.4	.2										2.7	4.3
W	5.0	3.9	1.2										10.1	3.7
WNW	3.4	4.4	.9										8.8	4.0
NW	2.3	1.7											3.7	3.0
NNW	1.3	.6											1.9	2.6
VARIABLE														
CALM	////////////////////											35.4	////	
TOTALS	31.6	27.3	5.7										100.0	2.4

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.5	2.6	.6	.0								5.8	4.0
NNE	1.6	2.4	.7	.0								4.7	4.4
NE	1.0	.8	.3									2.1	4.0
ENE	.4	.2	.1									.6	3.3
E	.2	.0										.3	1.9
ESE	.2	.0										.2	2.2
SE	.5	.1	.0									.7	2.3
SSE	1.5	.6										2.1	2.7
S	4.9	3.8	1.0	.1								9.9	3.8
SSW	2.7	5.4	2.2	.2								10.4	5.1
SW	2.8	4.7	2.6	.3								9.9	5.2
WSW	1.7	1.8	1.1	.4								4.9	5.3
W	2.9	3.0	1.6	.2	.0							7.8	4.8
WNW	2.3	3.3	1.4	.2								7.2	4.8
NW	2.1	2.3	.7	.0								5.1	4.2
NNW	1.7	1.6	.2									3.5	3.6
VARIABLE													
CALM	////////////////////											24.8	////
TOTALS	29.0	32.2	12.6	1.4	.0							100.0	3.4

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-96
 MONTH: JUL HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.1	.1										.2	3.0
NNE	.1											.1	2.0
NE	.1	.3										.4	3.8
ENE		.2										.2	4.5
E	.1											.1	1.0
ESE	.2											.2	2.5
SE	.4											.4	2.0
SSE	2.9	.9										3.8	2.5
S	8.7	6.0	1.1									15.8	3.4
SSW	4.2	6.1	1.1	.1								11.5	4.2
SW	3.4	1.8	.3									5.6	3.3
WSW	.9	.4	.1									1.4	3.2
W	2.5	1.2	.1									3.8	3.0
WNW	3.2	1.1										4.3	2.7
NW	1.2	.6										1.8	2.9
NNW	.5	.1										.6	2.0
VARIABLE													
CALM	////////////////////////////////////											49.7	////
TOTALS	28.6	18.9	2.7	.1								100.0	1.7

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2											.2	2.5
NNE	.1		.1									.2	6.0
NE	.1	.1										.2	3.0
ENE	.3											.3	2.3
E	.1											.1	2.0
ESE	.1	.1										.2	2.5
SE	.6	.4										1.1	2.8
SSE	3.3	.9										3.9	2.4
S	10.4	5.4	.6									16.5	3.1
SSW	4.5	5.2	.5									10.2	3.7
SW	4.1	1.9	.3									6.3	3.2
WSW	2.9	.5										3.4	2.6
W	2.7	1.1										3.8	2.9
WRW	1.2	.3	.1									1.6	2.9
NW	.5	.2										.3	2.6
NNW	.5											.5	2.0
VARIABLE													
CALM	////////////////////											50.6	////
TOTALS	31.5	16.1	1.7									100.0	1.5

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.5	.1	.2									2.0	3.1
NNE	1.1	.6	.3									2.0	3.6
NE	1.2	1.2	.1									2.5	3.7
ENE	.2	.2	.1									.5	3.8
E	.3											.3	2.7
ESE	.1											.1	1.0
SE	.6											.6	1.5
SSE	1.6	.7										1.8	2.0
S	4.4	7.0	1.0	.2								12.6	4.2
SSW	4.7	5.4	1.6	.1								11.8	4.3
SW	4.3	5.7	1.3	.1								11.4	4.1
WSW	2.6	1.4	.1	.2								4.3	3.6
W	4.6	2.3	.2									7.1	2.8
WNW	1.8	.4										2.3	2.4
NW	1.7	.5										2.3	2.5
NNW	.3	.2										.5	2.8
VARIABLE													
CALM	////////////////////											37.7	////
TOTALS	31.2	25.5	4.9	.6								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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			GE 56
N	4.0	6.3	1.7									12.0	4.4
NNE	1.9	3.0	1.9									6.9	4.9
NE	.6	.6	1.1									2.4	5.6
ENE	.4	.4										.9	3.4
E	.3											.3	1.3
ESE	.2											.2	1.5
SE	.2	.1										.3	2.3
SSE	.2	.2										.4	3.3
S	1.5	2.3	1.7	.2								5.7	5.6
SSW	3.2	5.4	3.1	.4								12.2	5.4
SW	3.1	5.7	4.8	.4								14.1	5.6
WSW	3.0	2.9	1.4	.3								7.6	4.7
W	4.2	3.3	.8									8.3	3.8
WNW	4.2	1.5	.2									5.9	2.9
NW	2.9	2.3										5.2	3.2
NNW	2.9	2.7	.2									5.8	3.5
VARIABLE													
CALM	////////////////////											11.8	////
TOTALS	35.0	36.6	17.0	1.4								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUL 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	4.2	7.5	2.8	.1								14.6	4.7
NNE	1.3	3.4	2.2	.3								7.2	5.8
NE	.5	1.9	1.1									3.5	5.5
ENE		.5	.1									.6	6.2
E	.3											.3	2.0
ESE													
SE	.5											.5	2.2
SSE	.2	.1	.3									.6	5.5
S	1.1	2.2	1.2									4.4	5.1
SSW	2.0	4.4	2.0	.2								8.7	5.2
SW	1.3	5.5	4.4	.4								11.6	6.3
WSW	1.4	3.1	1.8	.4								6.8	5.9
W	2.6	4.3	2.2	.4								9.5	5.3
WNW	2.5	6.0	1.2									9.7	4.5
NW	3.5	5.3	1.0									9.8	4.1
NNW	1.9	5.5	.5									8.0	4.4
VARIABLE													
CALM	////////////////////											4.1	////
TOTALS	23.4	49.8	20.8	1.9								100.0	4.9

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUL 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	5.2	8.1	2.0									15.3	4.4
NNE	1.9	4.6	1.2	.3								8.1	5.1
NE	1.2	1.9	1.4									4.5	5.1
ENE	.3	.6										1.0	4.4
E	.1											.1	2.0
ESE	.1	.4	.1									.6	4.5
SE	.2	.1										.3	2.3
SSE		.4										.4	4.5
S	.4	1.4	1.2									3.0	5.5
SSW	1.0	3.8	1.7	.1								6.6	5.6
SW	1.6	3.8	2.8	.2								8.4	5.9
WSW	1.3	2.0	2.4	.8								6.5	6.4
W	2.7	3.5	2.5	1.1								9.8	5.8
WNW	3.4	5.2	3.1	.3	.2							12.4	5.6
NW	3.7	5.3	2.6									11.5	4.7
NNW	3.0	5.1	.9	.1								9.0	4.6
VARIABLE													
CALM	////////////////////											2.6	////
TOTALS	26.1	46.3	21.8	2.7	.2							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AI: WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(1ST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	5.2	4.2	.5									9.9	3.4
NNE	4.3	7.8	1.9									14.1	4.5
NE	1.6	1.3	.5	.1								3.5	4.4
ENE	.1											.1	3.0
E	.3											.3	2.0
ESE													
SE	.3											.3	2.3
SSE	.4	.1										.5	2.4
S	.6	1.3	.6									2.6	5.0
SSW	.6	3.1	1.8	.1								5.7	5.7
SW	1.6	3.7	2.3									7.5	5.4
WSW	1.6	3.0	.8	.1								5.5	4.8
W	1.5	4.1	3.4	.1								9.1	5.8
WNW	1.7	9.0	4.7	.2								15.7	5.9
NW	4.4	4.4	1.8									10.6	4.5
NNW	4.2	2.6	.5									7.3	3.5
VARIABLE													
CALM	////////////////////											7.1	////
TOTALS	28.6	44.6	19.0	.6								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS/1ST: 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56			
N	1.9	.4											2.4	2.5
NNE	2.2	1.3	.2										3.7	3.3
NE	.5	.3	.1										1.0	3.8
ENE	.2												.7	2.0
E														
ESE														
SE	.3												.3	1.7
SSE	1.4	.2											1.6	2.3
S	3.0	2.7	.5										6.2	3.7
SSW	3.4	5.2	1.0										9.6	4.1
SW	3.2	4.5	.8										8.5	4.0
WSW	1.6	1.2	.1										2.9	3.3
W	5.7	3.4	.5										9.7	3.3
WNW	4.6	3.7	.5										8.9	3.6
NW	4.3	1.6	.1										6.0	2.8
NNW	2.6	.1											2.7	2.3
VARIABLE														
CALM	////////////////////											36.5	////	
TOTALS	35.1	24.6	3.9										100.0	2.2

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.8	3.4	.9	.0								7.1	4.2
NNE	1.6	2.6	1.0	.1								5.3	4.8
NE	.7	1.0	.5	.0								2.3	4.8
ENE	.2	.3	.0									.5	4.1
E	.2											.2	1.9
ESE	.1	.1	.0									.2	3.2
SE	.4	.1										.5	2.2
SSE	1.2	.4	.0									1.6	2.6
S	3.8	3.5	1.0	.1								8.3	4.0
SSW	3.0	4.8	1.6	.1								9.5	4.7
SW	2.8	4.1	2.1	.1								9.2	4.9
WSW	1.9	1.8	.8	.2								4.8	4.7
W	3.3	2.7	1.2	.2								7.6	4.4
WNW	2.8	3.4	1.2	.1	.0							7.6	4.6
NW	2.9	2.5	.7									6.0	3.9
NNW	2.0	2.0	.3	.0								4.3	3.8
VARIABLE												
CALM	////////////////////////////////////											25.0	////
TOTALS	29.7	32.8	11.5	1.0	.0							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 74207D STATION NAME: FT LEWIS/GRAY AAF WA

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			GE 56
N		.1										.1	4.0
NNE	.1											.1	3.0
NE	.4	.1										.5	2.4
ENE		.1										.1	5.0
E	.2											.2	3.0
ESE	.2	.1										.3	2.3
SE	.6	.4										1.1	2.9
SSE	5.3	.9										6.1	2.4
S	8.5	5.4	.8									14.6	3.2
SSW	2.4	4.2	1.1	.1								7.7	4.4
SW	3.1	2.3	.5									5.9	3.6
WSW	1.6	.8	.1									2.5	3.0
W	4.3	.8										5.1	2.4
WNW	2.8	1.2										4.0	2.8
NW	1.9	.1										1.9	1.9
NNW	.2											.2	1.0
VARIABLE													
CALM	////////////////////											49.5	////
TOTALS	31.6	16.3	2.5	.1								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N													
NNE	.1	.1										.2	3.0
NE													
ENE		.1										.1	4.0
E	.4	.1										.5	2.4
ESE	.2	.1										.3	2.3
SE	.8	.2										1.0	2.2
SSE	5.5	1.5	.1									7.1	2.5
S	10.3	5.5	.5									16.3	3.1
SSW	3.3	3.5	.5									7.4	4.0
SW	2.8	2.0	.2									5.1	3.3
WSW	1.7	.9										2.6	2.8
W	4.1	.9	.1									5.1	2.6
WNW	1.6	.1										1.7	2.1
NW	.9	.1										1.0	1.9
NNW	.4											.4	1.5
VARIABLE													
CALM	////////////////////////////////////											51.2	////
TOTALS	32.2	16.2	1.5									100.0	1.5

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: AUG 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	.9	.1										1.0	2.3
NNE	.9		.1									1.0	3.0
NE	1.0	.3										1.3	2.9
ENE	.2	.2										.4	3.0
E	.1											.1	3.0
ESE	.4											.4	1.5
SE	.9	.3										1.1	2.8
SSE	3.8	1.1	.1									4.9	7.8
S	7.6	5.4	.8									13.8	3.3
SSW	4.5	4.9	1.9									11.3	4.3
SW	3.9	3.3	.6									7.8	3.8
WSW	3.0	1.8	.1									4.9	2.9
W	3.1	.6										3.8	2.2
WNW	1.7	.3										2.0	2.2
NW	1.3	.1										1.4	2.1
NNW	1.1	.1										1.2	1.6
VARIABLE													
CALM	////////////////////											43.5	////
TOTALS	34.2	18.6	3.7									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56		
N	3.3	5.3	1.4	.1							10.1	4.5
NNE	3.0	3.7	1.2	.1							8.0	4.4
NE	1.2	1.0	.3								2.5	4.0
ENE	.3	.4									.8	3.4
E	.3										.3	2.0
ESE	.4										.4	2.0
SE	.4	.1									.5	1.8
SSE	.1	.7									.4	3.5
S	2.2	3.7	1.7	.3							7.5	5.3
SSW	3.1	4.5	3.8	.1							11.5	5.4
SW	4.0	4.5	2.7	.1							11.3	4.7
WSW	1.9	2.3	1.1	.1							5.4	4.7
W	5.9	2.4	.6								9.8	3.1
WNW	3.3	1.9	.2								5.5	3.2
NW	4.4	1.6									6.0	2.6
NNW	2.5	1.8	.4								4.7	3.5
VARIABLE												
CALM	////////////////////										16.2	////
TOTALS	36.3	33.1	13.4	.9							100.0	3.5

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: AUG 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	5.3	8.3	1.7	.1								15.4	4.4
NNE	2.3	4.1	1.9	.1								8.4	5.0
NE	1.3	1.7	1.3									4.3	5.0
ENE	.3	.4										.8	3.4
E	.3											.3	2.3
ESE	.2											.2	1.0
SE	.2	.1										.3	3.0
SSE	.3	.1										.4	3.3
S	.8	1.2	1.8	.4								4.2	7.0
SSW	1.2	2.0	2.9	.8								6.9	6.6
SW	1.7	3.7	2.9	.3								8.6	5.4
WSW	1.4	2.8	1.3	.6								6.1	5.7
W	3.0	6.2	2.6									11.8	6.5
WNW	2.7	4.0	1.4	.1								8.2	5.0
W	2.7	4.7	1.1	.1								8.6	5.0
NNW	4.6	4.6	.8									10.0	5.0
VARIABLE	////////////////////////////////////												
CALM	////////////////////////////////////												
TOTALS	28.3	44.0	19.7	2.6									

TOTAL NUMBER OF OBSERVATIONS: 930

AD-A183 913

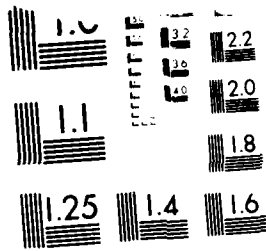
FT LEWIS GRAY WASHINGTON REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 27 JUL 87
USAFETAC/DS-87/851 F/G 4/2

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UNCLASSIFIED

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MICROCOPY RESOLUTION TEST CHART
1.0 1.1 1.25 1.4 1.6 1.8 2.0 2.2 2.5 2.8 3.2 3.6 4.0

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-56			
N	6.0	8.6	1.8										16.5	4.2
NNE	2.6	4.7	1.4	.2									8.9	4.8
NE	1.4	1.9	.6										4.0	4.4
ENE	.4	.6											1.1	3.5
E	.2												.2	2.0
ESE	.2												.2	2.5
SE	.1	.1											.2	3.0
SSE	.3	.2	.1										.6	3.7
S	.6	1.4	.9	.1									3.0	5.4
SSW	.8	1.7	1.7	.2									4.4	6.1
SW	1.1	1.8	2.8	.4									6.1	6.8
WSW	.9	2.8	1.9	.9		.1							6.1	6.6
W	2.9	3.3	3.0	.2									8.9	5.5
WNW	2.7	6.9	3.3	.4									13.3	5.5
NW	3.5	5.7	2.0	.3									11.6	4.8
NNW	3.9	5.1	1.4										10.3	4.4
VARIABLE														
CALM	////////////////////											4.4	////	
TOTALS	27.1	44.9	21.1	2.4		.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	6.2	4.4	.2									10.9	3.3
NNE	6.0	5.7	.9									12.6	3.6
NE	3.2	2.0	.1									5.4	3.4
ENE	.5	.2										.8	2.3
E	.3											.3	2.0
ESE	.3											.3	2.0
SE	.1	.1										.2	4.5
SSE	.3	.1										.4	2.8
S	1.0	1.5	.1	.1								2.7	4.1
SSW	1.1	2.2	1.2	.2								4.6	5.5
SW	1.0	3.3	1.6									5.9	5.5
WSW	.6	2.2	1.0	.2								4.0	5.9
W	1.7	3.5	3.4	.2								8.9	5.9
WNW	2.8	6.8	4.0	.1								13.7	5.3
NW	4.3	5.9	1.0									11.2	4.0
NNW	2.8	1.2	.1									4.1	3.0
VARIABLE													
CALM	////////////////////											14.1	////
TOTALS	32.4	39.1	13.5	.9								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	.3	.1									1.2	3.1
NNE	1.4	.4	.1									1.9	3.1
NE	.9	.2	.1									1.2	3.0
ENE	.2											.2	2.0
E		.1										.1	6.0
ESE	.2	.1										.3	3.0
SE	.1	.2										.3	4.0
SSE	1.2	.4										1.6	2.9
S	2.7	3.7	.8									7.1	3.9
SSW	1.9	3.7	1.3	.2								7.1	4.9
SW	2.6	2.9	.9									6.3	4.4
WSW	2.4	1.2	.5									4.1	3.5
W	4.3	3.3	.2									7.8	3.4
WNW	6.2	4.0	.1									10.3	3.0
NW	3.7	1.3										4.9	2.6
NNW	1.2	.1										1.3	1.9
VARIABLE													
CALM	////////////////////											44.1	////
TOTALS	29.7	21.9	4.1	.2								100.0	2.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.8	3.4	.7	.0								6.9	4.1
NNE	2.0	2.3	.7	.1								5.1	4.2
NE	1.2	.9	.3									2.4	3.9
ENE	.3	.3										.5	3.2
E	.2	.0										.3	2.5
ESE	.3	.0										.3	2.1
SE	.4	.2										.6	2.8
SSE	2.1	.6	.0									2.7	2.6
S	4.2	3.4	.9	.1								8.7	3.9
SSW	2.3	3.3	1.8	.2								7.6	5.0
SW	2.5	3.0	1.5	.1								7.1	4.7
WSW	1.7	1.8	.8	.2		.0						4.5	4.7
W	3.6	2.6	1.2	.1								7.5	4.1
WNW	3.0	3.1	1.1	.1								7.3	4.3
NW	2.8	2.4	.5	.1								5.8	3.7
NNW	2.1	1.6	.3									4.0	3.6
VARIABLE													
CALM	////////////////////											28.6	////
TOTALS	31.5	29.2	9.9	.9		.0						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: SEP 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		.1									.1	4.0
NNE	.2	.2									.4	4.0
NE	.4										.4	1.3
ENE	.2										.2	2.0
E	.3										.3	1.0
ESE	.3										.3	1.3
SE	2.0	.2									2.2	2.2
SSE	5.7	2.0									7.7	2.6
S	9.3	8.1	1.7								19.1	3.7
SSW	1.6	2.7	1.7	.7							6.6	5.9
SW	1.2	.7		.3							2.2	4.5
WSW	1.0	.6									1.6	3.1
W	.8	.2		.1							1.1	3.7
WNW	.9	.1									1.0	2.4
NW	.8										.8	1.7
NNW	.2										.2	1.0
VARIABLE												
CALM	////////////////////										55.7	////
TOTALS	25.0	14.9	3.3	1.1							100.0	1.6

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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			GE 56
N													
NNE	.3	.2										.6	3.0
NE	.4	.2										.7	2.5
ENE	.3											.3	1.3
E	.4											.4	2.0
ESE	.2											.2	1.0
SE	1.4											1.4	2.1
SSE	5.3	3.1										8.4	2.9
S	11.0	7.8	2.0	.1								20.9	3.7
SSW	1.6	2.2	.9	.1								4.8	4.8
SW	1.2	1.7	.6	.1								3.6	4.7
WSW	.6	.1			.1							.8	4.6
W	.8	.1										.9	2.4
WNW	.4											.4	1.8
NW													
NNW	.1											.1	2.0
VARIABLE	////////////////////////////////////												
CALM	////////////////////////////////////											56.4	////
TOTALS	24.2	15.4	3.4	.3	.1							100.0	1.6

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8		.1									.9	2.5
NNE	.9	.2	.1									1.2	2.8
NE	1.2	.4										1.7	2.7
ENE	.3	.1										.4	2.3
E	.1	.2										.3	3.0
ESE	.3	.1										.4	2.0
SE	1.3											1.3	2.0
SSE	5.2	1.7										6.9	2.5
S	10.1	8.1	2.8	.4								21.4	4.1
SSW	2.4	4.8	1.6	.3								9.1	4.8
SW	1.2	1.0	.3	.2								2.8	4.7
WSW	.7	.1	.2									1.0	3.6
W	1.2	.3	.1									1.7	2.9
WNW	.6	.1										.7	1.8
NW	.4	.1										.6	2.6
NNW	.1											.1	2.0
VARIABLE													
CALM	////////////////////											49.4	////
TOTALS	27.0	17.3	5.2	1.0								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.2	2.9	1.3	.2								7.7	4.3
NNE	3.3	3.7	1.4	.1								8.6	4.5
NE	3.3	2.4	1.1									6.9	4.0
ENE	1.2	.7	.4	.1								2.4	4.2
E	.4	.2										.7	2.7
ESE	.4											.4	1.8
SE	.7	.3										1.0	2.7
SSE	1.0	.7		.1								1.8	3.5
S	2.1	3.8	3.8	1.8	.1							11.6	6.9
SSW	2.8	4.9	3.6	.8								12.0	5.9
SW	3.1	3.7	2.4	.3								9.6	5.3
WSW	1.2	2.6	.9	.1								4.8	4.8
W	2.8	2.1	.6	.1								5.6	3.8
WNW	.7	.8	.1									1.6	3.6
NW	1.6	1.0	.1									2.7	3.3
NNW	1.7	.7										2.3	2.7
VARIABLE													
CALM	////////////////////											20.6	////
TOTALS	29.6	30.3	15.8	3.7	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: SEP 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	3.6	7.3	2.3	.4	.1							13.8	5.2
NNE	1.9	4.3	2.2	.4								8.9	5.6
NE	1.0	1.8	1.3	.1								4.2	5.5
ENE	.6	.7										1.2	3.7
E	.6	.1										.7	2.5
ESE	.4	.2	.1									.8	3.6
SE	.1	.2										.3	4.3
SSE	.2	.2	.1									.6	4.2
S	1.0	2.0	2.6	2.0	.1							7.7	8.2
SSW	1.0	3.1	4.7	.7	.1							9.6	7.3
SW	1.7	4.4	5.1	1.1								12.3	6.5
WSW	1.4	1.7	1.8	.6								5.4	6.0
W	3.2	3.7	1.6									8.4	4.5
WNW	3.1	3.1	.6	.2								7.0	4.1
NW	1.8	2.8	.6									5.1	4.0
NNW	2.6	3.8	.3									6.7	4.1
VARIABLE													
CALM	////////////////////											7.3	////
TOTALS	24.1	39.4	23.2	5.6	.3							100.0	5.2

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: SEP 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	4.9	8.0	2.0	.2								15.1	4.4
NNE	2.6	6.4	2.2	.6								11.8	5.3
NE	2.0	2.3	.8									5.1	4.3
ENE	.6	.4	.1									1.1	3.8
E	.1											.1	2.0
ESE	.6	.1										.7	1.7
SE	.4	.1										.6	2.8
SSE	.3	.7										1.0	3.9
S	.7	1.9	2.3	1.1								6.0	7.4
SSW	1.6	2.9	2.9	.9								8.2	6.5
SW	2.1	3.4	2.3	.4								8.7	5.5
WSW	2.1	2.4	2.3	.6								7.4	5.8
W	1.4	3.9	1.7	.4								7.4	5.7
WNW	1.9	1.4	1.0									4.3	4.4
NW	2.7	4.7	.4									7.9	4.1
NNW	2.3	3.4	.7									6.4	4.1
VARIABLE													
CALM	////////////////////											8.2	////
TOTALS	26.2	42.6	18.8	4.2								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.7	2.3	.1									5.1	3.4
NNE	5.3	3.8	1.3	.2								10.7	4.0
NE	2.6	1.4	.1	.1								4.2	3.7
ENE	.4	.1										.6	2.4
E	.3	.1										.4	2.5
ESE	.7	.1										.8	1.9
SE	.4											.4	1.5
SSE	1.2	1.0										2.2	3.7
S	3.9	2.9	1.2	.2								8.2	4.4
SSW	1.8	5.0	1.7	.2	.1							8.9	5.4
SW	1.7	3.6	1.2	.3								6.8	5.2
WSW	1.2	1.7	1.1									4.0	5.1
W	1.7	1.8	.3									3.8	4.0
WNW	1.2	2.4	.8									4.4	4.7
NW	1.8	1.4	.1									3.3	3.3
NNW	1.4	.7	.1									1.8	2.6
VARIABLE													
CALM	////////////////////											34.1	////
TOTALS	28.3	28.2	8.1	1.1	.1							100.0	2.8

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.6	.4										1.0	3.3
NNE	.7	1.6	.2									2.4	4.2
NE	.7	.2										.9	3.0
ENE	.3											.3	1.7
E	.4											.4	1.8
ESE	.4											.4	1.8
SE	1.3	.1										1.4	1.8
SSE	5.6	1.8	.1									7.4	2.6
S	6.7	6.4	1.6									14.7	3.9
SSW	1.3	3.9	2.2	.1								7.6	5.5
SW	1.0	1.4	.4	.4								3.3	5.4
WSW	.7	.2	.1									1.0	3.2
W	1.7	.8	.1									2.6	2.9
WNW	1.7	1.0										2.7	3.1
NW	.7	.1										.8	2.3
NNW	.3	.1										.4	2.8
VARIABLE													
CALM	////////////////////											52.6	////
TOTALS	24.0	18.1	4.8	.5								100.0	1.8

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.0	2.6	.7	.1	.0							5.5	4.5
NNE	1.9	2.6	.9	.2								5.6	4.7
NE	1.5	1.1	.4	.0								3.0	4.0
ENE	.5	.2	.1	.0								.8	3.3
E	.3	.1										.4	2.3
ESE	.4	.1	.0									.5	2.1
SE	1.0	.1										1.1	2.2
SSE	3.1	1.4	.0	.0								4.5	2.8
S	5.6	5.1	2.2	.7	.0							13.7	4.7
SSW	1.7	3.7	2.4	.5	.0							8.3	5.8
SW	1.7	2.5	1.6	.4								6.2	5.5
WSW	1.1	1.2	.8	.2	.0							3.2	5.2
W	1.7	1.6	.5	.1								3.9	4.3
WNW	1.3	1.1	.3	.0								2.8	3.9
NW	1.2	1.3	.2									2.7	3.6
NNW	1.1	1.0	.1									2.3	3.7
VARIABLE													
CALM	////////////////////											35.5	////
TOTALS	26.1	25.8	10.3	2.2	.1							100.0	2.9

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2	.1	.1									.4	3.8
NNE	.9	.1										.5	2.8
NE	.5											.5	2.0
ENE	.1											.1	2.0
E	1.1											1.1	1.6
ESE													
SE	1.3	.2										1.5	2.2
SSE	4.5	1.5	.1	.1								6.2	2.8
S	8.8	7.7	2.7	.8	.4							20.4	4.7
SSW	1.9	2.7	2.5	.3								7.4	5.7
SW	.9	.6	.4	.3								1.8	5.9
WSW	.2	.2	.1									.5	4.2
W	.3	.3		.1								.8	4.6
WNW	.1											.1	2.0
NW	.2											.2	1.5
NNW	.1			.1								.2	6.0
VARIABLE													
CALM	////////////////////											58.1	////
TOTALS	20.3	13.5	5.9	1.7	.4							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.3		.1									.4	2.8
NNE	.5	.4	.3									1.3	4.8
NE	.8	.2										1.0	2.4
ENE	.5											.5	1.6
E	.8											.8	1.6
ESE	.6	.1	.1									.9	3.0
SE	1.9	.5										2.5	2.5
SSE	3.3	1.1	.1									4.5	2.8
S	9.7	7.7	3.8	.4	.1							21.7	4.4
SSW	.5	1.4	3.0	.4								5.4	7.0
SW	.8	.3	.8									1.8	4.8
WSW		.2										.2	5.5
W	.2	.3										.5	3.8
WNW	.3											.3	2.3
NW	.2											.2	2.0
NNW	.2	.1	.1									.4	3.5
VARIABLE													
CALM	////////////////////											57.5	////
TOTALS	20.8	12.5	8.3	.9	.1							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: OCT 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		
N	.4	.1	.1					.6	3.7
NNE	1.0	.9						1.9	3.4
NE	1.8	.5						2.4	2.6
ENE	.9	.1						1.0	2.1
E	1.1	.1						1.2	2.3
ESE	1.0							1.0	1.7
SE	1.5	.2	.1					1.8	2.6
SSE	4.3	1.2	.2					5.7	2.7
S	8.7	7.0	4.2	.6	.1	.1		20.8	4.8
SSW	1.4	1.7	3.3	.5				7.0	6.4
SW	.4	.3	.4					1.2	5.1
WSW	.3							.3	1.7
W	.9	.1	.1					1.1	2.5
WNW	.1	.1						.2	3.0
NW	.4							.4	2.5
NNW	.1		.1					.2	4.5
VARIABLE									
CALM	////////////////////							53.3	////
TOTALS	24.3	12.4	8.6	1.2	.1	.1		100.0	2.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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	1.9	.9	.3									3.1	3.6
NNE	2.3	2.8	1.2									6.2	4.2
NE	3.0	2.5	.3	.2								6.0	3.9
ENE	1.1	.3										1.4	2.5
E	1.5	.4	.1									2.0	2.7
ESE	.2	.1										.3	2.3
SE	.5	.2										.8	2.4
SSE	1.6	1.1	1.0									3.7	4.3
S	3.7	4.5	4.6	2.7	.5							16.0	7.0
SSW	1.4	2.9	5.3	1.0								10.5	7.1
SW	1.0	1.3	1.5	.3	.1							4.2	6.4
WSW	.8	.5	.5									1.8	4.9
W	1.0	1.0		.1								2.0	3.8
WNW	1.4		.1									1.5	2.3
NW	1.0	.2										1.2	2.2
NNW	.5	.2										.8	3.3
VARIABLE													
CALM	////////////////////											38.4	////
TOTALS	22.8	18.9	14.9	4.3	.6							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: OCT 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	3.2	4.7	1.3									9.2	4.2
NNE	2.5	4.3	2.4	.1								9.2	5.2
NE	1.5	3.9	.8	.1								6.2	4.9
ENE	1.5	.4	.1									2.0	2.7
E	.9											.9	2.0
ESE	.6	.4										1.1	2.7
SE	.2		.1									.3	4.0
SSE	.4	.6	.2									1.3	4.3
S	1.3	1.6	4.1	2.8	.1							9.9	8.5
SSW	.3	2.9	5.5	1.3	.1							10.1	8.0
SW	1.1	2.5	3.2	1.1	.1							8.0	7.1
WSW	1.2	2.4	1.6	.3								5.5	5.9
W	3.1	2.6	.9	.2								6.8	4.1
WNW	1.7	1.6	.3									3.7	3.7
NW	2.5	1.6										4.1	3.0
NNW	2.9	2.0										4.9	3.3
VARIABLE													
CALM	////////////////////										16.8	////	
TOTALS	24.9	31.6	20.4	5.0	.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: OCT 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	3.8	4.8	.8									9.4	4.0
NNE	4.3	4.2	2.9	.1								11.5	4.8
NE	2.5	2.5	.9	.3								6.1	4.5
ENE	.6											.6	2.2
E	.5											.5	1.6
ESE	.3	.1										.4	2.3
SE	.3	.2	.1									.6	4.3
SSE	1.1	1.3	.5									2.9	4.6
S	1.5	3.3	3.0	.6								8.5	6.2
SSW	1.1	4.7	3.8	.6	.2							10.4	6.8
SW	1.7	2.8	1.6	.5								6.7	5.7
WSW	1.1	1.5	1.1	.1								3.8	5.5
W	1.5	2.3	1.1									4.8	4.8
WNW	1.0	1.6	1.2	.1								3.9	5.3
NW	2.8	1.5										4.3	3.0
NNW	4.0	1.8										5.8	2.8
VARIABLE													
CALM	////////////////////											19.7	////
TOTALS	28.1	32.7	16.9	2.5	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOabal CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.9	.9										1.7	3.6
NNE	2.6	1.1	.2									3.9	3.2
NE	1.8	.5										2.4	2.6
ENE	.9											.9	2.1
E	.2											.2	1.5
ESE	.5	.2										.8	2.4
SE	1.4	.3	.1									1.8	2.5
SSE	1.9	.9	.2									3.0	3.2
S	5.4	6.5	2.9	.5								15.3	4.9
SSW	1.5	3.5	2.2	.3								7.5	5.8
SW	.9	2.3	.9									4.0	5.1
WSW	.3	.4	.1	.1								1.0	5.2
W	.9	.6										1.5	3.3
WNW	.4	.4										.9	3.6
NW	.3	.2										.5	2.8
NNW	.4	.2										.6	2.7
VARIABLE													
CALM	////////////////////											54.1	////
TOTALS	20.3	18.1	6.6	1.0								100.0	2.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			56-60
N	.3	.1										.4	2.8
NNE	.6	.1										.8	2.4
NE	.8	.1	.1									1.0	2.8
ENE	.6											.6	1.7
E	.2											.2	2.0
ESE		.1										.1	4.0
SE	1.2	.3										1.5	2.4
SSE	4.0	1.6	.1									5.7	2.7
S	7.7	8.1	3.1	1.2								20.1	4.8
SSW	1.6	2.9	1.7	.4								6.7	5.6
SW	.3	.6	.5	.4								1.9	7.2
WSW	.2	.2	.3									.9	6.1
W	.9	.1										1.0	2.4
WNW	.2	.1										.3	2.7
NW	.1											.1	2.0
NNW	.2											.2	2.0
VARIABLE													
CALM	////////////////////											58.6	////
TOTALS	19.0	14.4	5.9	2.0								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.4	1.5	.3									3.2	3.9
NNE	1.8	1.7	.9	.0								4.4	4.5
NE	1.6	1.3	.3	.1								3.2	3.9
ENE	.8	.1	.0									.9	2.3
E	.8	.1	.0									.9	2.1
ESE	.4	.1	.0									.6	2.5
SE	1.0	.3	.1									1.4	2.6
SSE	2.6	1.2	.3	.0								4.1	3.2
S	5.8	5.8	3.5	1.2	.2	.3						16.6	5.4
SSW	1.2	2.8	3.4	.6	.0							8.1	6.6
SW	.8	1.3	1.2	.3	.0							3.7	6.1
WSW	.5	.7	.5	.1								1.7	5.5
W	1.1	.9	.3	.1								2.3	4.0
WNW	.7	.5	.2	.0								1.4	4.0
NW	.9	.4										1.4	2.8
NNW	1.1	.6	.0	.0								1.7	3.1
VARIABLE													
CALM	////////////////////											44.6	////
TOTALS	22.6	19.3	10.9	2.4	.2	.3						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 74207D STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7			.1								.8	3.9
NNE	1.0	.6	.7	.1								2.3	5.0
NE	1.1	.7	.1									1.9	3.2
ENE	.3	.3	.1									.8	4.0
E	1.3	.4	.1									1.9	2.9
ESE	1.2	.3	.2									1.8	3.2
SE	1.2	1.6	.2									3.0	3.9
SSE	2.9	2.2	.7	.1	.1							6.0	4.4
S	4.2	6.7	4.8	2.2	.3							18.2	6.6
SSW	1.4	3.1	4.0	1.6	.1							10.2	7.4
SW	.6	.8	1.0	.7	.1							3.1	7.9
WSW		.1	.1	.1	.1							.4	10.5
W	.3	.3	.2									.9	5.3
WNW	.3											.3	3.0
NW													
NNW	.1											.1	2.0
VARIABLE													
CALM	////////////////////											48.2	////
TOTALS	16.8	17.1	12.2	4.9	.8							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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.1	.7										.3	4.0
NNE	1.3	.4	.6									2.3	4.1
NE	1.1	.2	.3	.1								1.8	4.1
ENE	.9	.1	.1	.1								1.2	3.5
E	2.0	.7	.1									2.3	2.8
ESE	.8		.1	.1								1.0	3.7
SE	2.0	.8	.4									3.2	1.6
SSE	3.3	2.9	.7									6.9	3.9
S	5.1	8.3	3.6	3.2	.3							20.6	6.4
SSW	.3	3.0	2.4	.8	.1							6.7	7.3
SW	.2	1.3	.9	1.3								3.8	8.5
WSW	.2		.2	.4								.9	9.1
W		.4	.1		.1							.7	7.2
WNW	.3											.3	2.0
NW	.1											.1	2.0
NNW	.1											.1	1.0
VARIABLE													
CALM	////////////////////											47.8	////
TOTALS	18.0	18.0	9.6	6.1	.6							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.3	.2										.5	2.6
NNE	.4	.2	.2	.3								1.2	6.4
NE	.9	1.1	.3	.3								2.7	5.3
ENE	.6	.6	.3	.1								1.6	5.1
E	.9	.3										1.2	2.5
ESE	.8	.3	.1									1.2	3.1
SE	1.0	.4	.1									1.6	3.1
SSE	4.7	2.2	.4	.2	.1	.1						7.8	4.2
S	6.3	8.0	4.7	2.4	.6	.1						22.1	6.0
SSW	.9	2.3	2.9	1.2								7.3	7.3
SW	.7	.9	1.0	.2								2.8	6.0
WSW	.1	.2	.4	.2								1.0	6.1
W	.2	.1	.1									.4	4.3
WNW	.2	.1	.1									.4	4.8
NW	.1											.1	2.0
NNW	.3											.3	1.7
VARIABLE													
CALM	////////////////////											47.7	////
TOTALS	18.4	17.1	10.8	5.1	.7	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(UTST): 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	.8	.1										.9	2.3
NNE	.7	1.7	1.6									3.9	5.7
NE	1.6	1.3	.8	.1								3.8	4.6
ENE	1.0	.7	.3									2.0	3.7
E	.6	.1	.1	.1								.9	4.1
ESE	.8	.4	.1									1.3	3.2
SE	.7	.2	.6									1.4	4.7
SSE	3.2	1.9	.7	.3		.1						6.2	4.5
S	4.7	5.8	5.7	3.3	.7	.2						20.3	7.3
SSW	1.3	3.7	4.7	2.0			.1					11.8	7.6
SW	.4	1.2	1.7	.4								3.8	7.3
WSW	.2	.7	.1	.4								1.4	7.3
W	.8	.3	.6	.1								1.8	5.4
WNW	.3	.2										.6	2.6
NW	.2	.2										.4	3.0
NNW	.8	.1										.9	1.9
VARIABLE													
CALM	////////////////////											38.6	////
TOTALS	18.0	19.7	16.8	6.9	.7	.3	.1					100.0	3.8

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND			
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			41-47	48-55	GE 56
N	1.9	1.7	.9									4.4	4.5
NNE	1.8	2.4	2.2	.1								6.6	5.5
NE	1.8	2.4	1.6	.1								5.9	5.1
ENE	.7	.7	.4									1.8	4.5
E	.8	.2										1.0	2.4
ESE	.7											.7	2.2
SE	1.6	.9		.1								2.6	3.2
SSE	1.3	1.1	.7									3.1	4.3
S	2.4	4.0	7.7	4.1	1.0	.7	.1					20.0	9.1
SSW	1.9	2.8	6.9	2.1	.2		.1					14.0	7.8
SW	1.0	1.0	1.7	1.0								4.7	7.5
WSW	.8	.7	.7	.3								2.4	6.0
W	1.3	1.1	.6									3.0	4.3
WNW	1.0	.7	.2									1.9	3.6
NW	1.1	.2										1.3	2.8
NNW	1.2	.4										1.7	2.7
VARIABLE													
CALM	////////////////////////////////////											25.0	////
TOTALS	21.2	20.3	23.4	7.9	1.2	.7	.2					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(IST): 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	1.8	1.1	.7	.1								3.7	4.4
NNE	1.8	2.6	1.9	.1								6.4	5.4
NE	1.6	1.4	.6	.1								3.7	4.6
ENE	1.2	.7	.1									1.7	3.1
E	1.3	.1										1.4	2.0
ESE	.6	.3										.9	3.1
SE	.9	.3	.2									1.4	3.3
SSE	1.4	1.0	.6	.3	.1							3.4	5.4
S	2.2	5.6	7.3	3.6	.3	.2						19.2	8.0
SSW	1.9	4.2	4.8	2.1	.4	.1						13.6	7.8
SW	.8	1.4	1.0	.4								3.7	6.3
WSW	.6	.4	.8	.1								1.9	5.9
W	.4	.7	.6	.1								1.8	5.5
WNW	.8	.4										1.2	2.6
NW	.9	.7	.1									1.7	3.4
NNW	1.4	.4										1.9	2.5
VARIABLE													
CALM	////////////////////											32.6	////
TOTALS	19.6	21.1	18.6	7.0	.9	.3						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: 742D70 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	.4	.1									.9	3.8
NNE	1.2	1.7	.9	.3								4.1	5.3
NE	1.2	1.1	.2									2.6	3.9
ENE	.8	.2										1.0	2.7
E	.6	.1										.7	2.5
ESE	.8	.3										1.1	2.7
SE	1.4	.7										2.1	2.6
SSE	2.7	1.7	.8	.3	.2							5.7	4.9
S	6.2	9.6	5.1	3.8	.2	.1						25.0	6.4
SSW	1.4	2.8	2.6	1.4	.1							8.3	7.1
SW	.3	.9	1.1	.1								2.4	6.6
WSW	.3	.1										.4	3.0
W	.3	.3	.3									1.0	4.8
WNW	.3											.3	2.3
NW	.1											.1	2.0
NNW	.1	.1										.2	3.5
VARIABLE													
CALM	////////////////////											44.0	////
TOTALS	18.2	20.0	11.1	6.0	.6	.1						100.0	3.2

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2	.3										.6	4.4
NNE	.8	1.0	.4									2.2	4.7
NE	.8	.3	.1									1.2	3.5
ENE	1.1	.4										1.6	2.8
E	1.4											1.4	2.1
ESE	.7	.3										1.0	2.9
SE	1.4	1.2	.4									3.1	4.0
SSE	2.7	2.6	.2	.1								5.6	4.0
S	6.2	8.2	6.2	1.6	.7							22.9	6.3
SSW	.8	3.2	4.7	2.2	.8							11.7	8.8
SW	.6	.4	.8	.7								2.4	7.6
WSW	.1			.1								.2	7.0
W	.4	.1										.6	3.0
WNW	.2	.2	.1									.6	4.8
NW	.2											.2	2.0
NNW	.2											.2	1.5
VARIABLE													
CALM	////////////////////											44.6	////
TOTALS	17.9	18.4	13.0	4.7	1.4							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	.5	.2	.0								1.5	4.1
NNE	1.1	1.3	1.1	.1								3.6	5.3
NE	1.2	1.1	.5	.1								2.9	4.5
ENE	.8	.4	.2	.0								1.4	3.7
E	1.1	.2	.0	.0								1.4	2.6
ESE	.8	.3	.1	.0								1.1	3.0
SE	1.3	.8	.2	.0								2.3	3.5
SSE	2.8	1.9	.6	.2	.1	.0						5.6	4.4
S	4.7	7.0	5.6	3.0	.5	.2	.0					21.0	7.0
SSW	1.2	3.1	4.1	1.7	.2	.0	.0					10.4	7.7
SW	.6	1.0	1.1	.6	.0							3.3	7.3
WSW	.3	.3	.3	.2	.0							1.1	6.8
W	.5	.4	.3	.0	.0							1.3	4.9
WNW	.4	.2	.1									.7	3.3
NW	.3	.1	.0									.5	2.9
NNW	.5	.1										.7	2.4
VARIABLE													
CALM	////////////////////											41.0	////
TOTALS	18.5	18.8	14.4	6.1	.8	.2	.0					100.0	3.5

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2	.2	.1									.6	4.2
NNE	.6	.2	.4									1.2	5.4
NE	.9	.3	.7	.1								2.0	5.2
ENE	.3	.4										.8	3.7
E	.9											.9	2.0
ESE	.8	.2										1.0	2.3
SE	1.9	.4	.2									2.5	3.0
SSE	4.8	3.0		.2								8.0	3.3
S	7.1	6.2	4.5	1.8	.6							20.1	5.9
SSW	1.1	1.5	4.8	2.9								10.3	8.4
SW	.4	.8	1.1	.2								2.5	6.9
WSW	.1		.2		.1							.4	10.0
W	.1	.2										.3	3.3
WNW		.2										.2	4.0
NW													
NNW	.2											.2	1.5
VARIABLE													
CALM	////////////////////											49.0	////
TOTALS	19.3	13.8	12.0	5.2	.7							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.4	.3	.1									.9	3.9
NNE	.3	.7	.3	.1								1.4	6.0
NE	1.2	1.2	.1	.2								2.8	4.4
ENE	1.0	.2										1.2	2.3
E	1.4	.1										1.6	2.1
ESE	.9	.3										1.2	2.6
SE	1.7	.4										2.1	2.4
SSE	3.7	2.2	.1									6.0	3.1
S	7.8	7.2	3.0	2.3	.6							20.8	5.7
SSW	.6	2.5	3.7	2.3	.1							9.2	8.6
SW	.3	.6	1.2	.4								2.5	7.7
WSW			.2	.3								.6	12.6
W	.4	.2	.1		.1							.9	5.5
WNW	.3	.1										.4	3.0
NW	.1											.1	2.0
NNW	.1											.1	1.0
VARIABLE													
CALM	////////////////////											48.1	////
TOTALS	20.3	16.2	8.9	5.8	.8							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF VA

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	.3	.2	.2									.8	4.6
NNE	.8	.4	.4	.1								1.8	5.2
NE	1.6	.8	.2									2.5	3.5
ENE	.9	.3										1.2	2.6
E	1.4											1.4	2.1
ESE	1.1											1.1	1.6
SE	1.2	.4	.3									2.0	3.8
SSE	2.9	1.7	.3									4.9	3.4
S	7.3	8.3	4.1	2.3	.4	.1						22.6	5.8
SSW	1.1	2.5	3.8	1.8	.3	.1						9.6	8.1
SW		.6	1.4	.3								2.3	8.9
WSW			.2	.2								.4	10.8
W	.2	.1										.3	2.7
WNW	.3		.1									.4	3.5
NW	.1											.1	2.0
NNW	.1	.1										.2	3.0
VARIABLE													
CALM	////////////////////											48.2	////
TOTALS	19.4	15.5	11.2	4.8	.8	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: DEC 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	.9	.8										1.7	3.3
NNE	1.6	1.4	.8	.2								4.0	4.9
NE	2.0	1.4	.3									3.8	3.6
ENE	1.4	.4	.2									2.1	3.3
E	1.1	.2										1.3	2.3
ESE	.6	.2										.8	3.0
SE	1.4	.7	.2	.2								2.5	4.2
SSE	2.8	1.3	.3	.1	.1							4.7	4.1
S	5.6	5.2	5.6	2.8	.1							19.4	6.4
SSW	1.2	3.0	5.2	1.4	.1							11.0	7.6
SW	1.0	.8	.7	.4								2.9	6.6
WSW	.3		.1	.1								.6	5.4
W	.4	.1		.2								.8	5.6
WNW	.2	.3										.6	3.4
NW	.4	.1										.6	2.8
NNW	.4	.1										.6	1.8
VARIABLE													
CALM	////////////////////											43.0	////
TOTALS	21.5	16.2	13.5	5.5	.3							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.7	2.2	.1									5.0	3.3
NNE	2.2	3.2	1.7	.2								7.3	5.1
NE	3.3	3.0	1.6	.6								8.4	4.9
ENE	2.0	.8	.1									2.9	2.9
E	1.6	.3										1.9	2.4
ESE	.7											.7	2.2
SE	1.6	.9	.2									2.7	3.4
SSE	1.4	.7	.7	.1								2.9	4.5
S	3.4	3.9	3.9	3.1	.7							15.0	7.7
SSW	1.2	3.6	5.7	2.8	.1							13.3	8.1
SW	1.1	1.6	2.0	.6								5.2	6.5
WSW	1.0	.4	.8	.2								2.4	5.8
W	.3	.6	.2	.3	.1							1.6	7.4
WNW	1.0	.4	.1									1.6	3.4
NW	.8	.3										1.1	3.1
NNW	.6	.6										1.1	3.1
VARIABLE													
CALM	////////////////////											27.0	////
TOTALS	24.9	22.4	17.0	7.9	.9							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	1.5	.3	.1								3.7	4.0
NNE	2.7	3.0	1.6	.1								7.4	4.8
NE	2.5	2.2	.8	.4	.1							6.0	5.0
ENE	1.5	.7	.2									2.3	3.3
E	1.7	.3										2.0	2.3
ESE	1.7	.3	.1									2.1	2.5
SE	1.1	1.0	.2									2.3	4.0
SSE	1.7	.9	.4	.2								3.2	4.3
S	3.2	5.7	3.9	2.3	.1							15.3	6.7
SSW	1.8	2.9	5.0	1.2								10.9	7.0
SW	1.0	1.2	1.6	1.0	.1							4.9	7.8
WSW	.6	.3	.4	.2								1.6	6.1
W	1.5	.8		.2								2.5	3.8
WNW	.7											.7	2.3
NW	1.3	.1										1.5	2.2
NNW	.7	.2										.9	2.8
VARIABLE													
CALM	////////////////////											32.7	////
TOTALS	25.2	21.2	14.6	5.9	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.6	.2	.1									.9	3.8
NNE	.9	1.5	.9	.1								3.4	5.2
NE	2.5	.4	.4	.1								3.5	3.6
ENE	.8	.3	.2									1.3	3.6
E	1.3	.2										1.6	2.4
ESE	1.5	.3										1.8	2.4
SE	1.6	1.0	.1									2.7	3.4
SSE	3.2	1.7	.8	.6								6.3	4.4
S	6.5	7.6	2.9	1.6	.3							18.9	5.4
SSW	.6	1.7	3.1	1.3								6.7	8.2
SW	.6	.4	1.8	.8								3.6	8.4
WSW	.6	.4	.1	.1	.1							1.3	6.2
W	.6											.6	2.4
WNW	.3	.1	.1									.6	3.4
NW	.3	.1										.4	2.8
NNW	.2											.2	2.0
VARIABLE													
CALM	////////////////////											46.3	////
TOTALS	21.9	16.1	10.6	4.6	.4							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2	.3										.6	3.8
NNE	.3	1.0	.6									1.9	5.1
NE	1.7	.4	.6									2.7	3.8
ENE	.6	.1										.7	2.0
E	.4	.1	.1									.7	3.2
ESE	.6	.2										.8	3.1
SE	1.9	1.0										2.9	2.9
SSE	3.8	2.6	.9	.1								7.4	3.9
S	7.5	5.6	5.3	2.3	.4	.2						21.4	6.2
SSW	1.0	1.2	2.3	2.2								6.8	8.4
SW	.4	.4	.6	.9								2.3	7.8
WSW	.1	.2	.1	.3	.1							.9	10.3
W	.3	.1										.4	2.5
WNW		.1										.1	4.0
NW	.2											.2	2.0
NNW	.2	.2										.4	3.5
VARIABLE													
CALM	////////////////////											49.8	////
TOTALS	19.4	13.8	10.4	5.9	.6	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.9	.7	.1	.0								1.8	3.7
NNE	1.2	1.4	.8	.1								3.5	5.1
NE	1.9	1.7	.6	.2	.0							4.0	4.4
ENE	1.1	.4	.1									1.6	3.0
E	1.2	.2	.0									1.4	2.3
ESE	1.0	.2	.0									1.2	2.4
SE	1.5	.7	.2	.0								2.5	3.4
SSE	3.0	1.8	.4	.2	.0							5.4	3.9
S	6.1	6.2	4.2	2.3	.4	.0						19.2	6.2
SSW	1.1	2.4	4.2	2.0	.1	.0						9.7	8.0
SW	.6	.8	1.3	.6	.0							3.3	2.5
WSW	.3	.2	.3	.2	.0							1.0	2.3
W	.5	.3	.0	.1	.0							.9	4.7
WNW	.4	.2	.0									.6	3.2
NW	.4	.1										.5	2.6
NNW	.3	.2										.5	2.6
VARIABLE													
CALM	////////////////////											43.0	////
TOTALS	21.5	16.9	12.3	5.7	.6	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 7198

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	1.6	.5	.0	.0							4.2	4.0
NNE	1.5	1.9	.8	.1								4.3	4.6
NE	1.3	1.0	.4	.0	.0							2.7	4.1
ENE	.5	.2	.1	.0								.8	3.1
E	.7	.1	.0	.0								.8	2.4
ESE	.5	.2	.0	.0								.7	2.8
SE	1.0	.4	.1	.0								1.6	3.1
SSE	2.5	1.3	.3	.1	.0	.0						4.2	3.5
S	5.4	5.5	3.1	1.2	.1	.0	.0					15.4	5.4
SSW	1.8	3.7	3.2	.9	.1	.0	.0					9.6	6.5
SW	1.5	2.3	1.7	.4	.0							5.9	5.8
WSW	.9	1.1	.7	.2	.0	.0						3.0	5.6
W	1.7	1.6	.8	.2	.0	.0						4.3	4.8
WNW	1.4	1.4	.5	.1	.0							3.4	4.4
NW	1.3	1.1	.3	.0								2.7	3.8
NNW	1.2	.9	.1	.0								2.2	3.5
VARIABLE													
CALM	////////////////////											34.1	////
TOTALS	25.1	24.6	12.5	3.3	.3	.0	.0					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 87254

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 74207D STATION NAME: FT LEWIS/GRAY AAF WA

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

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

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	.7	.2	.0								2.6	3.2
NNE	2.1	1.9	.6	.1								4.7	4.1
NE	2.1	1.1	.3	.1								3.5	3.5
ENE	1.0	.3	.1									1.3	2.7
E	1.0	.1										1.1	2.0
ESE	.8	.1	.0									.9	2.1
SE	1.1	.3	.0									1.3	2.4
SSE	2.0	.5	.0									2.5	2.6
S	4.7	2.4	1.0	.6	.1							8.7	4.3
SSW	2.0	2.4	2.0	1.0	.1							7.5	6.3
SW	2.2	2.3	1.1	.3	.0							5.9	4.9
WSW	1.3	1.0	.3	.1	.0							2.7	4.0
W	2.2	1.1	.3	.1	.0							3.6	3.4
WNW	1.4	.6	.1	.0								2.2	3.1
NW	1.1	.3										1.4	2.4
NNW	1.0	.1										1.3	2.5
VARIABLE													
CALM	////////////////////											48.6	////
TOTALS	27.9	15.7	5.9	2.2	.2							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS: 7587

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CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

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

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

NOTES:

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

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

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

SKY COVER SUMMARY

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

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

ALSO PRESENTED ARE MEAN SKY COVERS.

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1.3	18.2	19.4	19.9	21.8	21.8	22.2	23.2	24.3	24.9	25.1	25.1	25.6	26.1	26.9	27.7
GE 20000	1.4	20.3	21.5	22.0	24.0	24.0	24.6	25.6	26.7	27.3	27.5	27.5	28.0	28.5	29.4	30.1
GE 18000	1.4	20.3	21.5	22.0	24.0	24.0	24.6	25.7	26.8	27.4	27.6	27.6	28.1	28.6	29.5	30.2
GE 16000	1.4	20.3	21.5	22.0	24.1	24.1	24.8	25.8	26.9	27.5	27.7	27.7	28.3	28.7	29.6	30.3
GE 14000	1.4	21.0	22.3	23.0	25.1	25.1	25.7	26.8	27.9	28.5	28.7	28.7	29.4	29.8	30.7	31.4
GE 12000	1.4	22.0	23.4	24.1	26.2	26.2	26.8	27.9	29.0	29.7	29.9	29.9	30.6	31.0	31.9	32.6
GE 10000	1.4	24.2	25.7	26.8	28.9	28.9	29.7	30.8	31.9	32.5	32.7	32.7	33.4	33.8	34.7	35.5
GE 9000	1.4	25.0	26.5	27.6	29.7	29.7	30.4	31.5	32.6	33.3	33.5	33.5	34.2	34.6	35.5	36.3
GE 8000	1.4	27.9	29.7	30.9	33.1	33.1	33.8	34.9	36.0	36.7	36.9	36.9	37.6	38.0	38.9	39.6
GE 7000	1.4	30.1	32.1	33.7	36.0	36.4	37.1	38.2	39.3	40.0	40.4	40.4	41.1	41.5	42.4	43.2
GE 6000	1.4	30.7	33.0	34.6	37.0	37.3	38.1	39.2	40.3	41.0	41.4	41.4	42.1	42.5	43.4	44.1
GE 5000	1.4	34.3	36.7	38.4	41.2	41.5	42.3	43.4	44.5	45.1	45.6	45.6	46.2	46.9	47.8	48.5
GE 4500	1.4	39.4	42.2	44.0	46.9	47.3	48.7	50.1	51.3	51.9	52.4	52.4	53.0	53.7	54.5	55.3
GE 4000	1.4	42.1	45.1	47.4	50.5	50.9	52.4	53.7	54.9	55.5	56.0	56.0	56.6	57.3	58.2	58.9
GE 3500	1.4	48.2	51.7	54.4	58.1	58.5	60.0	61.3	62.5	63.2	63.6	63.6	64.3	65.0	65.8	66.6
GE 3000	1.4	51.8	55.3	58.4	62.3	62.8	64.4	65.7	66.9	67.8	68.2	68.2	68.9	69.6	70.4	71.2
GE 2500	1.4	54.0	58.1	61.1	65.1	65.5	67.3	68.6	69.8	70.6	71.1	71.1	71.7	72.4	73.3	74.0
GE 2000	1.4	56.4	60.9	64.0	68.6	69.0	70.9	72.3	73.5	74.6	75.0	75.0	75.7	76.3	77.2	78.0
GE 1800	1.4	56.6	61.1	64.2	68.8	69.2	71.1	72.5	73.8	74.9	75.4	75.4	76.0	76.7	77.5	78.3
GE 1500	1.4	57.8	62.7	65.8	70.6	71.2	73.1	74.5	75.8	77.0	77.5	77.8	78.4	79.1	80.0	80.7
GE 1200	1.4	58.5	63.3	66.6	71.6	72.2	74.0	75.5	76.9	78.4	79.0	79.2	79.8	80.5	81.4	82.1
GE 1000	1.4	58.9	63.7	67.1	72.2	72.7	74.7	76.2	77.7	79.2	79.7	80.0	80.6	81.3	82.1	82.9
GE 900	1.4	59.0	63.9	67.4	72.4	72.9	74.9	76.7	78.1	79.6	80.2	80.4	81.1	81.7	82.6	83.4
GE 800	1.4	59.1	64.0	67.5	72.8	73.4	75.4	77.3	78.9	80.4	81.2	81.4	82.0	82.7	83.6	84.3
GE 700	1.4	59.1	64.0	67.5	73.1	73.6	75.7	78.3	79.8	81.4	82.1	82.4	83.0	83.7	84.6	85.3
GE 600	1.4	59.5	64.3	68.0	73.7	74.3	76.8	79.5	81.1	82.6	83.4	83.6	84.2	84.9	85.8	86.5
GE 500	1.4	59.5	64.3	68.0	73.8	74.6	77.3	80.3	81.8	83.4	84.1	84.3	85.0	85.7	86.6	87.4
GE 400	1.4	59.5	64.3	68.0	73.9	74.8	77.7	80.8	82.6	84.2	85.1	85.3	86.2	86.9	87.8	88.7
GE 300	1.4	59.6	64.4	68.1	74.0	74.9	78.1	81.6	83.5	85.5	86.7	87.0	88.0	89.0	90.3	91.5
GE 200	1.4	59.8	64.6	68.3	74.4	75.2	78.9	82.7	84.6	86.9	88.8	89.0	90.4	91.5	93.4	95.9
GE 100	1.4	59.8	64.6	68.3	74.5	75.4	79.0	83.0	84.9	87.3	89.4	89.6	91.1	92.6	95.4	99.1
GE 0	1.4	59.8	64.6	68.3	74.5	75.4	79.0	83.0	84.9	87.3	89.4	89.6	91.1	92.6	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	.9	19.5	20.1	20.4	22.5	22.5	23.5	24.6	25.2	25.3	25.4	25.4	26.0	26.3	26.9	27.0
GE 20000	.9	20.9	21.9	22.5	24.9	24.9	26.0	27.1	27.7	27.9	28.0	28.0	28.5	28.8	29.4	29.5
GE 18000	.9	20.9	21.9	22.5	24.9	24.9	26.0	27.1	27.7	27.9	28.0	28.0	28.5	28.8	29.4	29.5
GE 16000	.9	20.9	21.9	22.5	24.9	24.9	26.0	27.1	27.7	27.9	28.0	28.0	28.5	28.8	29.4	29.5
GE 14000	.9	21.4	22.4	23.2	25.4	25.8	26.9	28.3	28.9	29.1	29.2	29.2	29.7	30.0	30.6	30.7
GE 12000	.9	23.4	24.3	25.2	27.7	27.7	28.8	30.3	30.9	31.0	31.1	31.1	31.7	32.0	32.6	32.7
GE 10000	1.0	25.1	26.2	27.2	29.9	29.9	31.3	32.7	33.3	33.4	33.6	33.6	34.1	34.4	35.0	35.1
GE 9000	1.0	25.3	26.4	27.5	30.3	30.3	31.6	33.0	33.7	33.8	33.9	33.9	34.4	34.8	35.3	35.4
GE 8000	1.0	27.0	28.1	29.3	32.2	32.2	33.9	35.4	36.1	36.2	36.3	36.3	36.8	37.2	37.7	37.8
GE 7000	1.0	28.4	29.6	30.8	34.3	34.3	36.0	37.5	38.2	38.3	38.4	38.4	38.9	39.3	39.8	39.9
GE 6000	1.0	29.1	30.4	31.6	35.2	35.2	36.8	38.4	39.0	39.1	39.3	39.3	39.8	40.1	40.7	40.8
GE 5000	1.0	31.8	33.4	34.9	38.8	38.8	40.7	42.4	43.1	43.3	43.4	43.4	44.0	44.3	45.0	45.1
GE 4500	1.0	37.2	38.9	40.6	45.1	45.1	46.9	48.7	49.3	49.6	49.7	49.7	50.2	50.5	51.2	51.3
GE 4000	1.0	39.1	40.9	42.8	47.3	47.4	49.2	51.0	51.6	51.9	52.0	52.0	52.6	53.0	53.6	53.7
GE 3500	1.0	45.4	47.7	49.7	55.0	55.3	57.1	59.1	59.8	60.0	60.1	60.1	60.7	61.1	61.7	61.8
GE 3000	1.0	50.7	53.8	56.5	62.9	63.2	65.1	67.1	67.8	68.0	68.2	68.2	68.9	69.2	69.8	70.0
GE 2500	1.0	52.9	56.7	59.5	66.0	66.2	68.4	70.6	71.3	71.7	71.9	71.9	72.6	72.9	73.6	73.8
GE 2000	1.0	54.6	58.8	61.7	68.5	68.8	71.1	73.5	74.1	74.6	74.9	74.9	75.5	75.9	76.5	76.8
GE 1800	1.0	54.8	59.0	62.1	69.0	69.2	71.5	73.9	74.6	75.0	75.3	75.3	76.0	76.3	77.0	77.2
GE 1500	1.0	56.8	61.0	64.0	71.3	71.5	73.9	76.4	77.1	77.6	78.0	78.0	78.6	78.9	79.6	79.8
GE 1200	1.0	57.1	61.3	64.4	72.1	72.5	74.9	77.5	78.2	78.8	79.3	79.3	79.9	80.3	80.9	81.1
GE 1000	1.0	57.8	62.0	65.0	72.8	73.1	75.7	78.5	79.2	80.0	80.5	80.5	81.1	81.5	82.1	82.3
GE 900	1.0	57.9	62.1	65.1	72.9	73.2	75.8	78.6	79.3	80.2	80.6	80.6	81.3	81.6	82.2	82.5
GE 800	1.0	58.2	62.4	65.5	73.4	73.7	76.2	79.2	79.8	80.7	81.1	81.1	81.8	82.1	82.8	83.0
GE 700	1.0	58.2	62.4	65.5	73.4	73.7	76.3	79.4	80.0	80.9	81.4	81.4	82.0	82.3	83.0	83.2
GE 600	1.0	58.3	62.6	66.2	74.2	74.6	77.7	80.9	81.6	82.6	83.0	83.0	83.7	84.0	84.6	84.9
GE 500	1.0	58.3	62.6	66.2	74.3	75.1	78.6	82.1	82.8	84.0	84.6	84.6	85.3	85.6	86.3	86.5
GE 400	1.0	58.3	62.6	66.3	74.5	75.2	78.7	82.5	83.1	84.4	85.2	85.2	86.0	86.3	87.1	87.4
GE 300	1.0	58.4	62.8	66.6	74.7	75.4	79.1	83.1	84.1	85.6	86.5	86.5	87.5	88.0	88.8	89.3
GE 200	1.0	58.6	62.9	66.7	75.0	75.9	79.7	84.3	85.9	87.5	88.8	88.8	90.6	91.4	93.2	93.3
GE 100	1.0	58.6	62.9	66.7	75.1	76.0	79.8	84.4	86.1	87.9	89.5	89.5	91.8	93.4	95.6	96.4
GE 0	1.0	58.6	62.9	66.7	75.1	76.0	79.8	84.4	86.1	87.9	89.5	89.5	91.8	93.5	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	5.6	18.5	19.4	20.2	20.9	21.1	21.3	21.7	22.0	22.0	22.0	22.0	22.3	22.4	22.8	23.4
GE 20000	6.3	20.4	21.7	22.7	23.5	23.6	23.8	24.3	24.7	24.8	24.8	24.8	25.0	25.1	25.7	26.2
GE 18000	6.4	20.7	22.0	23.0	23.9	23.9	24.1	24.8	25.1	25.2	25.2	25.2	25.4	25.5	26.1	26.6
GE 16000	6.4	20.7	22.0	23.0	23.8	23.9	24.1	24.8	25.1	25.2	25.2	25.2	25.4	25.5	26.1	26.6
GE 14000	6.5	21.2	22.5	23.7	24.8	24.9	25.1	25.8	26.1	26.2	26.2	26.2	26.4	26.5	27.1	27.6
GE 12000	6.9	23.5	25.0	26.2	27.3	27.4	27.6	28.3	28.6	28.7	28.7	28.7	28.9	29.1	29.6	30.2
GE 10000	7.5	26.2	29.0	29.2	30.5	30.6	30.8	31.5	31.8	31.9	31.9	31.9	32.1	32.2	33.0	33.6
GE 9000	7.5	26.5	28.3	29.5	30.8	30.9	31.1	31.8	32.1	32.2	32.2	32.2	32.5	32.6	33.3	33.9
GE 8000	7.7	28.3	33.2	31.4	32.9	33.1	33.4	34.2	34.5	34.6	34.6	34.6	34.9	35.0	35.9	36.4
GE 7000	7.8	29.6	31.6	32.9	34.9	35.0	35.4	36.3	36.6	36.7	36.7	36.7	37.0	37.2	38.2	38.7
GE 6000	7.9	31.0	33.0	34.3	36.2	36.4	36.8	37.7	38.0	38.2	38.2	38.2	39.4	38.6	39.6	40.1
GE 5000	8.0	32.7	34.9	36.3	38.3	38.5	38.9	39.8	40.1	40.4	40.4	40.4	40.6	40.8	41.8	42.3
GE 4500	8.1	37.2	39.8	41.4	43.6	43.9	44.5	45.5	46.1	46.3	46.3	46.3	46.6	46.8	47.8	48.4
GE 4000	8.2	40.5	43.1	44.8	47.3	47.6	48.5	49.5	50.0	50.2	50.2	50.2	50.5	50.8	51.8	52.3
GE 3500	8.3	45.7	49.0	51.2	54.6	54.9	55.9	57.2	57.8	58.0	58.1	58.1	58.4	58.7	59.6	60.2
GE 3000	8.4	50.3	54.2	56.4	60.1	60.5	61.5	62.9	63.5	63.8	63.9	63.9	64.4	64.6	65.6	66.1
GE 2500	8.6	53.4	57.8	60.7	65.1	65.8	67.0	68.5	69.1	69.6	69.7	69.7	70.3	70.5	71.5	72.0
GE 2000	8.7	55.3	59.9	63.5	68.2	68.9	70.3	71.8	72.4	72.9	73.2	73.2	73.9	74.1	75.1	75.7
GE 1800	8.7	55.8	62.5	64.1	69.0	69.6	71.1	72.6	73.1	73.7	74.0	74.0	74.7	74.9	76.0	76.5
GE 1500	8.7	57.5	62.5	66.3	71.2	71.9	73.5	75.1	75.8	76.3	76.6	76.6	77.3	77.5	78.6	79.2
GE 1200	8.7	57.9	63.0	66.9	71.8	72.6	74.3	76.0	76.6	77.2	77.5	77.5	78.1	78.5	79.6	80.2
GE 1000	8.7	58.6	63.7	67.7	72.7	73.5	75.4	77.1	77.7	78.3	78.6	78.6	79.4	79.6	80.7	81.3
GE 900	8.7	58.9	64.0	68.0	73.1	73.9	76.0	77.6	78.3	78.8	79.2	79.2	79.9	80.2	81.3	81.8
GE 800	8.7	59.0	64.1	68.1	73.4	74.1	76.3	78.1	78.7	79.3	79.6	79.6	80.4	80.6	81.7	82.2
GE 700	8.7	59.1	64.3	68.2	73.6	74.3	76.5	78.3	78.9	79.6	79.9	79.9	80.7	80.9	82.0	82.6
GE 600	8.7	59.1	64.3	68.2	73.9	74.8	77.1	78.9	79.6	80.4	80.8	80.8	81.6	81.8	83.0	83.6
GE 500	8.7	59.1	64.6	68.8	74.6	75.4	77.9	79.9	80.8	81.6	82.0	82.0	82.8	83.0	84.3	84.9
GE 400	8.7	59.1	64.7	69.0	74.9	75.8	78.6	81.0	82.0	83.0	83.7	83.7	84.6	84.9	86.4	87.2
GE 300	8.7	59.2	64.8	69.3	75.7	76.5	79.7	82.5	83.4	84.6	85.3	85.3	87.2	87.7	89.7	90.9
GE 200	8.7	59.2	64.8	69.3	75.9	76.6	79.8	83.0	84.2	85.9	87.2	87.3	89.9	91.0	93.4	95.5
GE 100	8.7	59.2	64.8	69.3	75.8	76.6	79.9	83.3	84.5	86.2	87.5	87.6	90.6	92.3	95.1	98.0
GE 0	8.7	59.2	64.8	69.3	75.9	76.6	79.9	83.3	84.5	86.2	87.5	87.6	90.6	92.3	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	11.6	18.8	19.4	19.7	20.0	20.0	20.2	20.3	20.3	20.3	20.3	20.3	20.5	20.6	21.1	21.3
GE 20000	14.0	24.6	25.3	25.7	26.0	26.0	26.2	26.3	26.3	26.3	26.3	26.3	26.5	26.6	27.2	27.4
GE 18000	14.5	25.2	26.2	26.5	26.9	26.9	27.1	27.2	27.2	27.2	27.2	27.2	27.4	27.6	28.3	28.5
GE 16000	14.6	25.4	26.4	26.8	27.1	27.1	27.3	27.4	27.4	27.4	27.4	27.4	27.6	27.9	28.5	28.7
GE 14000	16.1	27.6	28.6	29.1	29.5	29.5	29.8	29.9	29.9	29.9	29.9	29.9	30.2	30.4	31.0	31.3
GE 12000	17.0	29.7	30.8	31.4	31.8	31.8	32.1	32.2	32.2	32.2	32.2	32.2	32.5	32.7	33.3	33.6
GE 10000	18.0	32.8	34.0	34.6	35.2	35.2	35.5	35.7	35.7	35.7	35.7	35.7	36.2	36.4	37.2	37.4
GE 9000	18.6	33.7	34.9	35.5	36.1	36.1	36.4	36.6	36.6	36.6	36.6	36.6	37.1	37.3	38.0	38.3
GE 8000	19.2	35.6	37.0	37.8	38.5	38.5	38.8	39.0	39.1	39.1	39.1	39.1	39.6	39.8	40.6	40.8
GE 7000	19.7	37.1	38.5	39.5	40.4	40.4	40.7	41.1	41.2	41.2	41.2	41.2	41.8	42.0	42.8	43.0
GE 6000	20.0	38.2	39.6	40.6	41.7	41.7	42.0	42.4	42.5	42.5	42.5	42.5	43.1	43.3	44.1	44.3
GE 5000	20.7	40.8	42.2	43.6	44.8	44.8	45.4	45.8	45.9	45.9	45.9	45.9	46.5	46.7	47.5	47.7
GE 4500	21.5	45.5	47.1	48.6	49.8	49.8	50.3	50.9	51.0	51.0	51.0	51.0	51.5	51.6	52.5	52.7
GE 4000	21.8	49.0	51.0	52.4	54.2	54.2	54.9	55.6	55.7	55.7	55.8	55.8	56.5	56.7	57.5	57.7
GE 3500	22.5	53.7	55.8	57.6	59.3	59.3	60.2	61.2	61.3	61.3	61.4	61.4	62.1	62.3	63.0	63.3
GE 3000	23.1	57.9	60.5	62.7	64.7	64.8	65.8	66.9	67.3	67.4	67.7	67.7	68.3	68.5	69.3	69.5
GE 2500	23.2	59.6	62.6	64.9	67.4	67.7	69.0	70.1	70.6	70.8	71.2	71.2	71.8	72.0	72.8	73.0
GE 2000	23.8	62.2	65.6	68.0	70.8	71.2	72.8	73.9	75.2	75.5	75.9	75.9	76.5	76.8	77.5	77.7
GE 1800	24.1	62.7	66.2	68.6	71.9	72.3	73.9	75.0	76.3	76.6	77.0	77.0	77.6	77.9	78.6	78.8
GE 1500	24.1	63.7	67.5	70.2	73.9	74.3	76.2	77.4	78.7	79.2	79.5	79.5	80.2	80.4	81.4	81.6
GE 1200	24.2	64.0	68.3	71.2	74.9	75.3	77.2	78.4	79.7	80.2	80.5	80.5	81.1	81.4	82.3	82.6
GE 1000	24.2	64.5	68.9	71.7	75.7	76.1	78.0	79.2	80.6	81.3	81.6	81.6	82.2	82.6	83.6	83.8
GE 900	24.2	64.7	69.2	72.1	76.4	76.9	78.7	79.9	81.8	82.5	82.8	82.8	83.4	83.8	84.8	85.0
GE 800	24.2	64.9	69.4	72.4	76.6	77.1	79.2	80.9	82.9	83.6	83.9	83.9	84.5	84.9	85.9	86.1
GE 700	24.2	65.0	69.5	72.5	76.8	77.2	79.5	81.3	83.2	83.9	84.2	84.2	84.9	85.2	86.2	86.4
GE 600	24.3	65.1	69.6	72.7	77.0	77.4	80.0	81.8	83.8	84.5	84.9	85.0	85.6	86.1	87.1	87.3
GE 500	24.3	65.1	69.6	72.7	77.2	77.6	80.4	82.6	84.5	85.7	86.1	86.2	87.0	87.5	88.6	88.9
GE 400	24.3	65.1	69.6	72.7	77.2	77.6	80.5	82.7	84.8	86.2	86.7	86.8	87.8	88.6	89.9	90.4
GE 300	24.3	65.1	69.6	72.8	77.3	77.7	80.8	83.2	85.4	87.5	88.5	88.6	90.5	91.6	93.0	93.5
GE 200	24.3	65.1	69.6	72.8	77.3	77.7	80.8	83.3	85.6	87.9	89.3	89.4	91.8	93.5	95.6	97.6
GE 100	24.3	65.1	69.6	72.8	77.3	77.7	80.8	83.3	85.6	87.9	89.4	89.5	92.1	94.1	96.3	99.6
GE 0	24.3	65.1	69.6	72.8	77.3	77.7	80.8	83.3	85.6	87.9	89.4	89.5	92.1	94.1	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74207D STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	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	13.7	20.7	20.9	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	
GE 20000	16.4	26.1	26.4	26.5	26.6	26.6	26.8	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.0	
GE 18000	17.3	27.6	28.0	28.1	28.2	28.2	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.5	
GE 16000	17.4	28.2	28.5	28.6	28.7	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.1	
GE 14000	18.9	30.4	30.8	30.9	31.3	31.3	31.4	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.6	
GE 12000	20.2	33.4	33.9	34.0	34.4	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.8	
GE 10000	22.6	38.2	38.6	38.7	39.3	39.3	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7	
GE 9000	23.0	38.7	39.1	39.3	39.8	39.8	39.9	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.2	
GE 8000	23.9	41.6	42.2	42.4	43.0	43.0	43.1	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	
GE 7000	24.6	43.8	44.4	44.6	45.2	45.2	45.3	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.8	
GE 6000	25.0	45.3	46.1	46.3	46.8	46.8	46.9	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.5	
GE 5000	26.4	48.8	49.9	50.2	50.8	50.8	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.4	
GE 4500	27.4	51.6	52.9	53.2	53.7	53.7	53.9	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.6	
GE 4000	28.5	55.0	56.4	56.9	57.6	57.6	58.0	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.8	
GE 3500	30.6	61.3	62.8	63.4	64.0	64.5	64.7	65.0	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6	
GE 3000	30.8	65.7	67.4	68.1	69.1	69.6	70.1	70.4	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.4	
GE 2500	31.0	68.2	70.1	71.1	72.1	72.7	73.2	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.6	
GE 2000	31.6	70.7	72.8	74.0	75.3	76.2	76.8	77.3	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.6	
GE 1800	31.7	71.1	73.1	74.5	75.9	76.8	77.3	77.9	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.2	
GE 1500	32.0	73.1	75.4	77.2	78.8	79.8	80.5	81.1	82.1	82.6	82.7	82.7	82.7	82.7	82.7	82.8	
GE 1200	32.2	74.1	76.6	78.8	80.9	82.1	83.0	83.7	84.6	85.1	85.2	85.2	85.2	85.2	85.2	85.3	
GE 1000	32.2	74.5	77.2	79.5	81.6	82.9	83.8	84.8	85.9	86.4	86.5	86.6	86.7	86.7	86.7	86.8	
GE 900	32.2	74.6	77.4	79.7	81.9	83.2	84.3	85.4	86.6	87.2	87.3	87.4	87.5	87.5	87.5	87.6	
GE 800	32.2	75.0	77.9	80.3	82.6	84.0	85.1	86.3	87.5	88.2	88.3	88.4	88.5	88.5	88.5	88.6	
GE 700	32.2	75.1	78.0	80.5	82.9	84.2	85.6	87.1	88.3	88.9	89.0	89.1	89.3	89.3	89.3	89.4	
GE 600	32.2	75.2	78.1	80.7	83.4	85.1	87.2	89.1	90.5	91.1	91.2	91.3	91.4	91.4	91.4	91.6	
GE 500	32.2	75.4	78.4	81.0	84.0	85.6	87.9	90.6	92.1	92.9	93.0	93.1	93.5	93.5	93.5	93.6	
GE 400	32.2	75.5	78.5	81.3	84.4	86.2	88.6	91.8	93.6	94.4	94.6	94.8	95.4	95.4	95.4	95.5	
GE 300	32.2	75.5	78.5	81.3	84.4	86.2	88.6	91.9	94.4	95.8	96.3	96.5	97.3	97.4	97.6	97.7	
GE 200	32.2	75.5	78.5	81.3	84.4	86.2	88.6	91.9	94.4	95.9	96.6	96.8	97.9	98.1	99.1	99.3	
GE 100	32.2	75.5	78.5	81.3	84.4	86.2	88.6	91.9	94.4	95.9	96.6	96.8	97.9	98.2	99.2	99.7	
GE 0	32.2	75.5	78.5	81.3	84.4	86.2	88.6	91.9	94.4	95.9	96.6	96.8	97.9	98.2	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.2	22.3	22.4	22.9	23.1	23.1	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5
GE 20000	18.1	29.3	29.6	30.3	30.5	30.5	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.9	31.3
GE 18000	18.6	30.0	30.4	31.0	31.3	31.3	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.7	32.0
GE 16000	18.9	30.6	30.9	31.6	31.8	31.8	32.0	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.2	32.6
GE 14000	21.1	33.2	33.6	34.2	34.4	34.4	34.6	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.9	35.2
GE 12000	22.7	36.3	36.6	37.3	37.5	37.5	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9	38.0	38.4
GE 10000	24.0	39.9	40.2	40.9	41.1	41.2	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.9	42.2
GE 9000	24.3	40.4	40.7	41.3	41.6	41.7	42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.3	42.7
GE 8000	24.8	42.9	43.2	43.9	44.1	44.2	44.5	44.6	44.6	44.7	44.7	44.7	44.7	44.7	45.0	45.3
GE 7000	26.0	45.6	45.9	46.6	46.8	46.9	47.3	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.7	48.0
GE 6000	26.6	48.0	48.4	49.0	49.2	49.3	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	50.1	50.4
GE 5000	27.4	51.2	51.6	52.3	52.7	52.9	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.6	53.9
GE 4500	28.9	55.4	56.1	56.9	57.6	57.7	58.3	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.8	59.1
GE 4000	29.8	59.2	60.5	61.4	62.1	62.2	62.9	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.4	63.7
GE 3500	31.1	64.3	65.7	66.7	67.5	67.9	69.0	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.7	70.1
GE 3000	31.7	69.7	71.5	73.2	74.2	74.6	75.7	76.0	76.3	76.4	76.4	76.4	76.4	76.4	76.6	77.0
GE 2500	32.5	72.0	74.0	76.1	77.1	77.4	78.8	79.2	79.6	79.7	79.8	79.8	79.8	79.8	80.0	80.4
GE 2000	33.0	74.6	76.6	79.1	80.6	81.0	82.7	83.1	83.6	83.8	83.9	83.9	83.9	83.9	84.1	84.4
GE 1800	33.1	75.4	77.5	80.0	81.6	82.0	83.8	84.2	84.6	84.9	85.0	85.0	85.0	85.0	85.2	85.5
GE 1500	33.3	77.3	79.8	82.5	84.3	84.8	86.5	87.0	87.4	87.6	87.7	87.7	87.7	87.7	87.9	88.3
GE 1200	33.3	77.9	80.4	83.1	85.2	85.6	87.6	88.0	88.5	88.7	88.8	88.8	88.8	88.8	89.0	89.4
GE 1000	33.3	78.0	80.5	83.2	85.4	85.9	87.9	88.7	89.4	89.6	89.7	89.7	89.7	89.7	89.9	90.2
GE 900	33.3	78.2	80.7	83.6	85.7	86.3	88.8	89.6	90.2	90.5	90.6	90.6	90.6	90.6	90.8	91.1
GE 800	33.3	78.2	80.8	83.7	85.9	86.4	89.4	90.1	90.8	91.0	91.1	91.1	91.1	91.1	91.3	91.7
GE 700	33.3	78.2	80.8	83.7	85.9	87.0	90.0	90.9	91.6	91.8	91.9	91.9	91.9	91.9	92.1	92.4
GE 600	33.3	78.2	80.8	83.8	86.0	87.7	91.2	92.9	93.5	93.9	94.0	94.0	94.0	94.0	94.2	94.5
GE 500	33.3	78.2	80.8	84.1	86.3	88.0	91.6	93.3	94.4	94.8	95.3	95.3	95.4	95.5	95.8	96.2
GE 400	33.3	78.2	80.8	84.1	86.3	88.2	92.0	93.9	95.1	95.5	95.9	95.9	96.1	96.2	96.5	96.8
GE 300	33.3	78.2	80.8	84.1	86.3	88.2	92.0	94.2	95.6	96.5	97.4	97.4	97.6	97.7	98.0	98.4
GE 200	33.3	78.2	80.8	84.1	86.3	88.2	92.1	94.3	95.7	96.8	97.7	97.7	98.1	98.4	98.8	99.3
GE 100	33.3	78.2	80.8	84.1	86.3	88.2	92.1	94.3	95.7	96.8	97.7	97.7	98.1	98.4	98.9	99.7
GE 0	33.3	78.2	80.8	84.1	86.3	88.2	92.1	94.3	95.7	96.8	97.7	97.7	98.1	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	5.6	24.0	24.3	24.6	25.3	25.3	26.3	26.6	27.3	27.5	27.7	27.7	27.9	28.2	28.6	29.1
GE 20000	6.6	27.2	27.6	28.2	28.9	28.9	30.2	30.5	31.1	31.4	31.6	31.6	31.7	32.0	32.5	32.9
GE 18000	7.0	28.6	29.1	29.6	30.4	30.4	31.6	31.9	32.6	32.8	33.0	33.0	33.1	33.4	33.9	34.3
GE 16000	7.0	28.8	29.3	29.8	30.6	30.6	31.8	32.1	32.8	33.0	33.2	33.2	33.3	33.7	34.1	34.5
GE 14000	7.2	30.7	31.1	31.7	32.7	32.8	34.1	34.4	35.1	35.3	35.5	35.5	35.6	36.0	36.4	36.8
GE 12000	7.7	32.7	33.1	33.7	34.6	34.8	36.1	36.4	37.1	37.3	37.5	37.5	37.6	37.9	38.4	38.8
GE 10000	7.7	35.2	35.6	36.2	37.2	37.3	38.6	39.0	39.7	39.9	40.1	40.1	40.2	40.6	41.0	41.4
GE 9000	7.7	35.7	36.3	36.8	37.8	37.9	39.3	39.7	40.4	40.6	40.8	40.8	40.9	41.2	41.7	42.1
GE 8000	8.1	38.8	39.5	40.0	41.3	41.4	42.8	43.2	43.9	44.1	44.3	44.3	44.4	44.7	45.2	45.6
GE 7000	8.3	41.4	42.2	42.8	44.1	44.2	45.5	45.9	46.6	46.8	47.0	47.0	47.1	47.5	47.9	48.4
GE 6000	8.6	42.8	43.5	44.1	45.4	45.5	46.8	47.3	47.9	48.1	48.4	48.4	48.5	48.8	49.2	49.7
GE 5000	9.0	47.3	48.2	48.8	50.1	50.2	51.6	52.2	52.9	53.1	53.3	53.4	53.6	53.9	54.4	54.8
GE 4500	9.2	53.4	54.5	55.5	56.9	57.1	59.0	59.6	60.3	60.5	60.7	60.9	61.1	61.4	61.8	62.3
GE 4000	9.3	55.4	56.6	58.0	59.5	59.8	62.1	62.7	63.5	63.7	63.9	64.0	64.3	64.6	65.0	65.5
GE 3500	9.4	58.8	60.2	61.8	63.4	63.6	66.3	67.1	67.9	68.1	68.3	68.4	68.6	69.0	69.4	69.8
GE 3000	9.4	62.3	63.9	65.9	67.9	68.1	70.9	71.8	72.6	73.0	73.2	73.5	73.7	74.0	74.5	74.9
GE 2500	9.8	65.0	67.5	69.8	72.1	72.4	75.3	76.2	77.0	77.9	78.1	78.3	78.5	78.8	79.3	79.7
GE 2000	9.8	67.1	69.7	72.1	74.8	75.3	78.7	80.2	80.9	81.9	82.1	82.3	82.6	83.0	83.4	83.9
GE 1800	9.8	67.8	70.5	72.9	75.5	76.1	79.5	80.9	81.7	82.7	82.9	83.1	83.3	83.8	84.2	84.6
GE 1500	9.8	69.5	72.5	75.3	78.5	79.1	82.8	84.3	85.1	86.1	86.3	86.5	86.7	87.2	87.6	88.2
GE 1200	9.8	69.7	72.8	75.7	78.9	79.5	83.4	85.0	85.7	86.7	87.0	87.2	87.4	87.8	88.3	88.8
GE 1000	9.8	70.0	73.1	76.0	79.5	80.0	84.2	86.0	86.7	87.7	87.9	88.2	88.4	88.8	89.3	89.8
GE 900	9.8	70.0	73.2	76.1	79.8	80.4	85.1	86.8	87.6	88.6	88.8	89.0	89.3	89.7	90.1	90.7
GE 800	9.8	70.0	73.2	76.1	79.8	80.4	85.2	87.1	87.8	88.8	89.0	89.3	89.5	89.9	90.4	90.9
GE 700	9.8	70.0	73.2	76.1	79.8	80.4	85.2	87.1	87.8	88.8	89.0	89.3	89.5	89.9	90.4	90.9
GE 600	9.8	70.1	73.4	76.2	79.9	80.5	85.3	87.5	88.5	89.5	89.7	89.9	90.1	90.6	91.0	91.6
GE 500	9.8	70.1	73.5	76.4	80.4	80.9	85.7	88.3	89.6	90.6	91.3	91.6	91.8	92.2	92.8	93.3
GE 400	9.8	70.1	73.5	76.4	80.5	81.1	86.3	89.1	90.5	91.6	92.3	92.5	92.8	93.3	93.9	94.4
GE 300	9.8	70.1	73.5	76.6	80.8	81.5	86.7	89.8	91.1	92.2	93.2	93.4	93.9	94.6	95.6	96.3
GE 200	9.8	70.1	73.6	76.9	81.0	81.7	87.1	90.5	91.8	93.3	94.4	94.7	95.6	96.5	97.9	99.0
GE 100	9.8	70.1	73.6	76.9	81.0	81.7	87.1	90.5	91.8	93.4	94.5	94.8	95.8	96.9	98.7	100.0
GE 0	9.8	70.1	73.6	76.9	81.0	81.7	87.1	90.5	91.8	93.4	94.5	94.8	95.8	96.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	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	2.7	20.9	22.3	23.4	24.7	24.7	25.4	26.5	27.1	28.0	28.6	28.6	29.1	29.4	30.4	30.9
GE 20000	3.1	22.7	24.0	25.1	26.8	26.8	27.5	28.6	29.2	30.0	30.7	30.7	31.1	31.5	32.5	33.0
GE 18000	3.3	2.9	25.2	26.3	28.0	28.0	28.7	29.8	30.4	31.3	31.9	31.9	32.3	32.7	33.7	34.2
GE 16000	3.3	23.9	25.2	26.3	28.0	28.0	28.7	29.8	30.4	31.3	31.9	31.9	32.3	32.7	33.7	34.2
GE 14000	3.3	24.5	25.8	26.9	28.8	28.8	29.6	30.7	31.3	32.1	32.8	32.8	33.3	33.7	34.6	35.2
GE 12000	3.4	26.3	27.6	28.7	30.7	30.7	31.5	32.6	33.1	34.0	34.6	34.6	35.2	35.5	36.5	37.1
GE 10000	3.4	29.3	30.9	32.0	34.0	34.0	34.8	35.9	36.4	37.3	37.9	37.9	38.5	38.8	39.8	40.4
GE 9000	3.5	30.2	31.8	32.9	34.9	34.9	35.7	36.8	37.4	38.3	38.9	38.9	39.5	39.8	40.8	41.3
GE 8000	3.6	33.9	35.5	36.7	39.0	39.0	39.9	41.0	41.6	42.4	43.1	43.1	43.6	44.0	45.0	45.5
GE 7000	3.7	35.9	37.5	38.8	41.2	41.7	42.5	43.8	44.3	45.2	45.8	45.8	46.4	46.8	47.8	48.4
GE 6000	3.7	37.3	38.9	40.2	42.7	43.1	44.0	45.2	45.7	46.6	47.3	47.3	47.8	48.2	49.2	49.6
GE 5000	3.8	40.5	42.3	43.8	46.3	46.7	47.6	48.8	49.3	50.2	51.0	51.0	51.6	52.1	53.1	53.6
GE 4500	4.1	46.6	48.6	50.2	52.7	53.2	54.1	55.4	56.0	56.9	57.8	57.8	58.4	58.9	59.9	60.4
GE 4000	4.1	49.0	51.2	53.3	56.4	56.8	57.7	59.0	59.6	60.5	61.4	61.4	62.1	62.5	63.5	64.0
GE 3500	4.1	52.9	55.4	58.0	61.2	61.7	63.2	64.5	65.1	66.0	66.9	66.9	67.5	68.1	69.1	69.6
GE 3000	4.1	55.0	57.9	60.9	64.0	64.7	66.7	68.2	68.9	69.7	70.6	70.6	71.3	71.8	72.8	73.4
GE 2500	4.1	57.5	63.6	64.0	67.4	68.1	70.2	71.7	72.5	73.5	74.3	74.3	75.0	75.5	76.5	77.1
GE 2000	4.1	60.5	64.6	68.0	71.5	72.3	74.7	76.6	77.5	78.5	79.4	79.4	80.0	80.6	81.6	82.1
GE 1800	4.1	60.6	64.7	68.1	71.6	72.4	74.8	76.8	77.6	78.6	79.5	79.5	80.2	80.7	81.7	82.2
GE 1500	4.1	62.1	66.6	70.1	73.8	74.6	77.2	79.2	80.2	81.3	82.2	82.2	82.9	83.4	84.4	85.0
GE 1200	4.1	62.8	67.4	71.1	74.8	75.5	78.5	80.5	81.7	82.8	83.9	83.9	84.5	85.1	86.1	86.6
GE 1000	4.1	63.0	67.7	71.5	75.1	75.9	79.1	81.4	82.6	83.8	84.9	84.9	85.5	86.3	87.3	87.8
GE 900	4.1	63.2	68.1	71.7	75.5	76.4	79.6	81.9	83.1	84.3	85.4	85.4	86.1	86.8	87.8	88.4
GE 800	4.1	63.2	68.1	71.7	75.5	76.5	79.8	82.3	83.6	84.8	85.9	85.9	86.5	87.3	88.3	88.8
GE 700	4.1	63.2	68.1	71.7	76.1	77.1	80.4	83.0	84.2	85.4	86.5	86.5	87.2	87.9	88.9	89.5
GE 600	4.2	63.3	68.2	71.8	76.2	77.4	80.7	83.6	84.8	86.0	87.1	87.1	87.7	88.5	89.5	90.0
GE 500	4.2	63.3	68.2	71.8	76.3	77.7	81.5	84.4	85.6	87.0	88.2	88.2	88.8	89.6	90.6	91.1
GE 400	4.2	63.3	68.2	71.8	76.3	78.0	82.1	85.2	86.5	88.0	89.4	89.4	90.0	90.8	91.8	92.3
GE 300	4.2	63.3	68.3	72.0	76.9	78.5	82.7	86.4	87.7	89.3	91.0	91.0	91.7	92.4	94.0	94.6
GE 200	4.2	63.3	68.4	72.1	77.1	78.7	82.9	86.6	87.9	89.5	91.6	91.7	92.5	93.4	95.4	96.7
GE 100	4.2	63.3	68.4	72.1	77.1	78.7	82.9	86.7	88.0	89.6	91.7	92.0	92.9	94.4	96.9	99.8
GE 0	4.2	63.3	68.4	72.1	77.1	78.7	82.9	86.7	88.0	89.6	91.7	92.0	92.9	94.4	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	7.1	20.4	21.0	21.5	22.4	22.4	22.9	23.4	23.9	24.1	24.3	24.3	24.5	24.7	25.2	25.5
GE 20000	8.3	23.9	24.8	25.4	26.4	26.4	27.0	27.5	27.9	28.2	28.3	28.3	28.6	28.8	29.3	29.7
GE 18000	8.7	24.7	25.5	26.1	27.2	27.2	27.7	28.3	28.7	29.0	29.1	29.1	29.4	29.6	30.1	30.5
GE 16000	8.7	24.9	25.7	26.3	27.4	27.4	27.9	28.5	28.9	29.2	29.3	29.3	29.6	29.8	30.3	30.7
GE 14000	9.4	26.2	27.1	27.8	29.0	29.1	29.7	30.2	30.7	30.9	31.1	31.1	31.4	31.6	32.1	32.5
GE 12000	10.0	28.4	29.4	30.1	31.3	31.3	31.9	32.5	32.9	33.2	33.3	33.3	33.6	33.8	34.4	34.8
GE 10000	10.7	31.4	32.4	33.2	34.5	34.5	35.2	35.8	36.3	36.5	36.7	36.7	37.0	37.2	37.8	38.2
GE 9000	10.9	31.9	33.0	33.8	35.1	35.2	35.8	36.5	36.9	37.1	37.3	37.3	37.6	37.8	38.4	38.8
GE 8000	11.2	34.5	35.7	36.5	38.0	38.1	38.8	39.5	39.9	40.2	40.3	40.3	40.6	40.9	41.4	41.8
GE 7000	11.6	36.5	37.7	38.7	40.3	40.5	41.2	42.0	42.4	42.7	42.9	42.9	43.2	43.4	44.0	44.4
GE 6000	11.8	37.8	39.1	40.1	41.8	41.9	42.6	43.4	43.8	44.1	44.3	44.3	44.6	44.9	45.5	45.8
GE 5000	12.2	40.9	42.4	43.5	45.4	45.5	46.3	47.1	47.5	47.8	48.0	48.0	48.4	48.7	49.3	49.7
GE 4500	12.7	45.8	47.5	48.8	50.9	51.0	52.0	52.8	53.4	53.7	53.9	53.9	54.2	54.5	55.1	55.5
GE 4000	13.0	48.7	50.6	52.1	54.3	54.6	55.7	56.6	57.1	57.4	57.6	57.7	58.1	58.3	59.0	59.3
GE 3500	13.6	53.8	56.0	57.8	60.4	60.7	62.1	63.1	63.6	63.9	64.2	64.2	64.6	64.9	65.5	65.9
GE 3000	13.7	57.9	60.6	62.8	65.7	66.0	67.5	68.6	69.3	69.7	69.9	70.0	70.4	70.7	71.3	71.7
GE 2500	13.9	60.3	63.4	65.9	69.1	69.5	71.2	72.3	73.0	73.5	73.8	73.9	74.3	74.6	75.2	75.6
GE 2000	14.2	62.7	66.1	68.8	72.3	72.8	74.7	76.1	76.9	77.5	77.9	78.3	78.6	79.3	79.3	79.6
GE 1900	14.2	63.1	66.6	69.3	72.9	73.4	75.4	76.7	77.6	78.2	78.5	78.5	79.0	79.3	79.9	80.3
GE 1500	14.3	64.7	68.5	71.4	75.3	75.9	77.9	79.4	80.3	81.0	81.3	81.4	81.8	82.1	82.8	83.2
GE 1200	14.3	65.3	69.2	72.2	76.3	76.9	79.1	80.6	81.5	82.2	82.6	82.7	83.1	83.4	84.1	84.5
GE 1000	14.3	65.6	69.6	72.7	76.9	77.5	79.8	81.5	82.5	83.3	83.7	83.7	84.2	84.6	85.2	85.6
GE 900	14.3	65.8	69.8	73.0	77.2	77.9	80.4	82.1	83.1	84.0	84.3	84.4	84.9	85.2	85.9	86.3
GE 800	14.3	65.9	70.0	73.1	77.5	78.2	80.8	82.7	83.7	84.6	85.0	85.1	85.5	85.9	86.5	87.0
GE 700	14.3	66.0	70.0	73.2	77.7	78.4	81.2	83.2	84.2	85.1	85.5	85.6	86.0	86.4	87.0	87.5
GE 600	14.4	66.1	70.2	73.5	78.0	79.0	82.0	84.3	85.4	86.3	86.7	86.8	87.3	87.7	88.3	88.7
GE 500	14.4	66.1	70.2	73.6	78.4	79.4	82.6	85.2	86.5	87.5	88.1	88.2	88.7	89.1	89.8	90.2
GE 400	14.4	66.1	70.3	73.7	78.5	79.6	83.1	85.9	87.3	88.4	89.1	89.2	89.9	90.3	91.1	91.6
GE 300	14.4	66.2	70.3	73.9	78.8	79.9	83.5	86.6	88.2	89.6	90.6	90.7	91.7	92.3	93.4	94.0
GE 200	14.4	66.2	70.4	73.9	78.9	80.0	83.7	87.1	88.8	90.5	91.8	91.9	93.4	94.2	95.9	97.3
GE 100	14.4	66.2	70.4	73.9	78.9	80.1	83.8	87.2	88.9	90.6	92.0	92.2	93.8	95.0	97.0	99.4
GE 0	14.4	66.2	70.4	73.9	78.9	80.1	83.8	87.2	88.9	90.6	92.0	92.2	93.8	95.1	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 7297

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	2.2	18.7	20.2	21.4	23.5	23.8	24.2	24.3	24.8	25.3	25.4	25.4	25.7	25.7	25.7	25.8	
GE 20000	2.6	21.9	23.5	25.1	27.2	27.4	27.9	28.0	28.5	29.0	29.1	29.1	29.3	29.3	29.3	29.4	
GE 18000	2.6	22.0	23.6	25.2	27.3	27.5	28.0	28.1	28.6	29.1	29.2	29.2	29.4	29.4	29.4	29.6	
GE 16000	2.6	22.0	23.6	25.2	27.3	27.5	28.0	28.1	28.6	29.1	29.2	29.2	29.4	29.4	29.4	29.6	
GE 14000	2.7	23.3	24.9	26.5	28.6	28.8	29.3	29.4	29.9	30.4	30.5	30.5	30.7	30.7	30.7	30.9	
GE 12000	2.7	24.3	26.2	27.8	29.9	30.1	30.7	31.0	31.4	31.9	32.0	32.0	32.3	32.3	32.3	32.4	
GE 10000	2.7	27.8	29.8	31.3	33.5	33.7	34.3	34.5	35.0	35.5	35.6	35.6	35.8	35.8	35.8	35.9	
GE 9000	2.7	28.5	30.5	32.0	34.2	34.4	35.0	35.2	35.7	36.2	36.3	36.3	36.5	36.5	36.5	36.6	
GE 8000	2.7	31.0	33.1	34.6	36.8	37.1	37.8	38.1	38.7	39.4	39.5	39.5	39.7	39.7	39.7	39.8	
GE 7000	2.8	35.0	37.4	39.2	41.8	42.3	43.0	43.3	43.9	44.6	44.7	44.7	44.9	44.9	44.9	45.0	
GE 6000	2.8	35.8	38.2	40.2	42.9	43.3	44.0	44.2	44.8	45.5	45.6	45.6	45.9	45.9	45.9	46.0	
GE 5000	2.8	41.0	44.2	46.3	49.3	49.8	50.6	50.8	51.4	52.1	52.2	52.2	52.5	52.5	52.5	52.6	
GE 4500	2.8	46.9	50.5	52.6	55.7	56.1	57.2	57.6	58.2	59.0	59.1	59.1	59.3	59.3	59.3	59.5	
GE 4000	3.0	50.6	54.8	57.0	60.2	60.6	61.8	62.2	63.0	63.8	64.1	64.1	64.3	64.3	64.3	64.4	
GE 3500	3.0	56.0	60.9	63.0	66.4	66.9	68.2	68.7	69.5	70.3	70.6	70.6	70.8	70.8	70.8	70.9	
GE 3000	3.0	60.4	65.8	68.3	71.9	72.3	73.6	74.2	75.2	76.0	76.2	76.2	76.5	76.5	76.5	76.6	
GE 2500	3.1	64.9	70.8	73.9	77.7	78.3	79.6	80.3	81.2	82.2	82.4	82.4	82.6	82.6	82.6	82.7	
GE 2000	3.1	66.7	72.7	75.9	79.7	80.3	81.6	82.6	83.7	84.6	84.9	84.9	85.1	85.1	85.1	85.2	
GE 1800	3.1	67.4	73.5	77.0	80.7	81.3	82.6	83.7	84.8	85.7	85.9	85.9	86.2	86.2	86.2	86.3	
GE 1500	3.1	68.3	74.7	78.1	82.2	82.7	84.2	85.2	86.3	87.5	87.7	87.7	88.1	88.1	88.1	88.2	
GE 1200	3.1	69.7	76.5	80.1	84.2	84.8	86.2	87.4	88.4	89.6	89.8	89.8	90.2	90.2	90.2	90.3	
GE 1000	3.1	70.7	77.4	81.2	85.3	85.9	87.4	88.5	89.6	90.8	91.0	91.0	91.4	91.5	91.5	91.6	
GE 900	3.1	70.7	77.4	81.3	85.5	86.1	87.5	88.7	89.7	90.9	91.1	91.1	91.5	91.6	91.6	91.7	
GE 800	3.1	70.7	77.4	81.3	85.6	86.2	87.8	89.2	90.3	91.5	91.8	91.8	92.2	92.3	92.3	92.4	
GE 700	3.1	70.7	77.7	81.6	85.8	86.4	88.3	89.7	90.9	92.1	92.6	92.6	92.9	93.1	93.1	93.3	
GE 600	3.1	70.8	77.8	81.7	85.9	86.6	88.5	90.0	91.1	92.3	92.8	92.8	93.1	93.4	93.4	93.5	
GE 500	3.1	70.8	77.9	81.9	86.2	86.9	88.8	90.2	91.4	92.6	93.0	93.0	93.6	93.9	93.9	94.0	
GE 400	3.1	70.8	78.0	82.0	86.3	87.0	88.9	90.3	91.5	92.7	93.1	93.1	93.7	94.0	94.0	94.1	
GE 300	3.1	70.9	78.1	82.2	86.4	87.1	89.4	90.9	92.1	93.4	93.9	93.9	94.6	94.8	94.8	94.9	
GE 200	3.1	70.9	78.1	82.2	86.4	87.1	89.4	90.9	92.3	93.9	94.3	94.3	95.3	95.7	96.1	96.8	
GE 100	3.1	70.9	78.1	82.2	86.4	87.1	89.4	90.9	92.3	93.9	94.7	94.8	95.9	96.6	97.5	99.8	
GE 0	3.1	70.9	78.1	82.2	86.4	87.1	89.4	90.9	92.3	93.9	94.7	94.8	95.9	96.6	97.6	100.0	

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

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	1.8	16.0	17.3	18.9	19.6	19.7	20.0	20.2	20.3	20.9	21.4	21.4	21.7	21.7	22.1	22.1
GE 20000	2.1	18.1	19.6	21.7	22.8	22.9	23.3	23.5	23.6	24.5	24.9	24.9	25.3	25.3	25.7	25.7
GE 18000	2.1	18.6	20.1	22.2	23.3	23.4	23.8	24.0	24.1	24.9	25.4	25.4	25.8	25.8	26.1	26.1
GE 16000	2.1	18.6	20.1	22.2	23.3	23.4	23.8	24.0	24.1	24.9	25.4	25.4	25.8	25.8	26.1	26.1
GE 14000	2.1	19.5	21.0	23.2	24.2	24.3	24.7	24.9	25.1	25.9	26.4	26.4	26.7	26.7	27.1	27.1
GE 12000	2.1	20.3	21.9	24.0	25.1	25.2	25.5	25.8	25.9	26.7	27.2	27.2	27.5	27.5	28.1	28.1
GE 10000	2.1	23.4	24.9	27.1	28.1	28.3	28.6	28.8	29.0	29.8	30.3	30.3	30.6	30.6	31.2	31.2
GE 9000	2.1	24.0	25.5	27.7	28.7	28.8	29.2	29.4	29.6	30.4	30.9	30.9	31.2	31.2	31.8	31.8
GE 8000	2.1	26.4	27.9	30.0	31.2	31.3	31.8	32.2	32.3	33.1	33.6	33.6	33.9	34.0	34.6	34.6
GE 7000	2.1	28.7	30.7	32.9	34.3	34.4	35.1	35.5	35.6	36.4	36.9	36.9	37.2	37.4	37.9	37.9
GE 6000	2.1	29.3	31.3	33.7	35.1	35.2	35.9	36.3	36.4	37.2	37.7	37.7	38.1	38.2	38.8	38.8
GE 5000	2.1	35.5	38.2	41.0	42.4	42.6	43.3	44.0	44.1	44.9	45.4	45.4	45.7	45.9	46.5	46.5
GE 4500	2.1	40.7	43.6	46.6	48.0	48.1	48.9	49.9	50.0	51.1	51.5	51.5	51.9	52.0	52.6	52.6
GE 4000	2.7	46.6	50.1	53.8	55.6	55.7	56.7	57.8	58.0	59.2	59.7	59.7	60.0	60.2	60.8	60.8
GE 3500	2.7	51.9	55.7	59.6	61.6	61.7	62.9	64.1	64.3	65.5	66.0	66.0	66.3	66.4	67.0	67.0
GE 3000	2.7	58.0	62.8	66.9	69.0	69.1	70.3	71.5	71.7	72.9	73.4	73.4	73.8	73.9	74.5	74.5
GE 2500	2.7	61.5	66.7	71.0	73.3	73.6	74.8	76.2	76.5	77.7	78.1	78.1	78.5	78.6	79.2	79.2
GE 2000	2.7	63.7	69.3	73.8	76.2	76.6	77.9	79.3	79.6	80.7	81.2	81.2	81.6	81.7	82.3	82.3
GE 1800	2.7	64.2	69.9	74.5	77.0	77.3	78.6	80.0	80.3	81.6	82.0	82.0	82.4	82.5	83.1	83.1
GE 1500	2.7	65.4	71.5	76.5	79.0	79.3	80.7	82.2	82.4	83.7	84.3	84.3	84.6	84.8	85.3	85.3
GE 1200	2.7	66.5	72.8	77.8	80.6	81.0	82.5	83.9	84.2	85.5	86.1	86.1	86.4	86.5	87.1	87.1
GE 1000	2.7	67.4	73.6	78.7	81.7	82.0	83.6	85.0	85.2	86.5	87.2	87.2	87.6	87.7	88.3	88.3
GE 900	2.7	67.7	74.0	79.3	82.3	82.6	84.2	85.6	85.8	87.2	87.9	87.9	88.3	88.4	89.0	89.0
GE 800	2.7	67.7	74.0	79.4	82.5	82.9	84.4	85.9	86.2	87.7	88.7	88.7	89.0	89.1	89.7	89.7
GE 700	2.7	67.8	74.2	79.8	82.9	83.2	84.8	86.3	86.5	88.1	89.0	89.0	89.4	89.5	90.1	90.1
GE 600	2.7	68.2	74.6	80.1	83.2	83.7	85.2	86.8	87.0	88.5	89.5	89.5	89.8	90.0	90.5	90.5
GE 500	2.7	68.2	74.7	80.3	83.3	83.8	85.3	86.9	87.1	88.7	89.6	89.6	90.1	90.3	90.9	90.9
GE 400	2.7	68.2	74.8	80.4	83.5	83.9	85.5	87.0	87.2	88.8	89.8	89.8	90.3	90.5	91.1	91.1
GE 300	2.7	68.3	74.9	80.5	83.7	84.2	85.8	87.5	87.7	89.2	90.3	90.3	90.8	91.0	91.6	91.7
GE 200	2.7	68.3	74.9	80.5	83.9	84.4	86.1	87.8	88.1	89.8	91.3	91.4	92.1	92.4	93.6	94.8
GE 100	2.7	68.3	74.9	80.5	84.0	84.5	86.2	87.9	88.2	90.1	91.8	92.0	92.7	93.3	94.8	99.2
GE 0	2.7	68.3	74.9	80.5	84.0	84.5	86.2	87.9	88.2	90.1	91.8	92.0	92.7	93.3	94.9	100.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS/DAY: 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	5.8	15.2	15.6	16.2	17.1	17.4	17.7	18.3	18.3	18.7	18.8	18.9	19.4	19.6	20.0	20.3
GE 20000	6.5	17.1	17.6	18.4	19.4	19.6	20.0	20.6	20.6	20.9	21.0	21.2	21.6	21.9	22.2	22.6
GE 18000	6.5	17.7	18.2	19.0	20.0	20.3	20.7	21.3	21.3	21.6	21.7	21.9	22.3	22.6	22.9	23.3
GE 16000	6.6	17.8	18.3	19.1	20.1	20.4	20.8	21.4	21.4	21.7	21.9	22.0	22.5	22.7	23.0	23.4
GE 14000	6.9	18.7	19.3	20.1	21.0	21.4	21.7	22.5	22.5	22.8	22.9	23.0	23.5	23.8	24.1	24.5
GE 12000	7.0	20.7	21.3	22.1	23.2	23.5	23.9	24.6	24.6	24.9	25.1	25.2	25.7	25.9	26.2	26.6
GE 10000	7.4	23.6	24.3	25.2	26.4	26.7	27.1	27.9	28.0	28.4	28.5	28.6	29.1	29.3	29.7	30.0
GE 9000	7.4	23.9	24.6	25.4	26.6	27.0	27.3	28.1	28.3	28.6	28.7	28.8	29.3	29.6	30.0	30.4
GE 8000	7.6	25.3	26.0	27.0	28.1	28.5	28.8	29.9	30.1	30.5	30.6	30.7	31.2	31.4	32.0	32.4
GE 7000	7.9	27.2	27.9	28.8	30.1	30.5	31.1	32.2	32.4	32.7	32.9	33.0	33.5	33.8	34.4	34.8
GE 6000	8.3	28.5	29.3	30.3	31.6	31.9	32.5	33.6	33.8	34.2	34.3	34.4	34.9	35.2	35.8	36.2
GE 5000	8.6	32.2	33.7	35.3	36.8	37.1	37.7	38.8	39.0	39.4	39.5	39.6	40.1	40.4	41.0	41.4
GE 4500	8.7	36.8	38.7	40.7	42.4	42.9	43.6	44.8	45.0	45.4	45.5	45.6	46.1	46.5	47.0	47.4
GE 4000	9.5	43.6	45.6	48.1	49.9	50.4	51.1	52.4	52.6	53.0	53.1	53.2	53.7	54.0	54.6	55.0
GE 3500	9.7	49.6	51.9	55.0	56.7	57.2	58.0	59.7	60.0	60.4	60.5	60.6	61.1	61.5	62.1	62.4
GE 3000	10.0	55.9	58.6	61.9	64.2	64.8	65.7	67.4	67.7	68.2	68.3	68.4	68.9	69.3	69.9	70.2
GE 2500	10.4	59.6	63.0	66.7	69.0	69.7	70.8	72.6	72.9	73.4	73.5	73.6	74.1	74.5	75.1	75.4
GE 2000	10.4	61.9	65.8	69.7	72.2	72.9	74.1	76.1	76.5	77.0	77.1	77.2	77.7	78.0	78.6	79.0
GE 1800	10.5	63.2	67.1	71.0	73.5	74.2	75.4	77.4	77.8	78.3	78.4	78.5	79.0	79.3	79.9	80.3
GE 1500	10.6	64.5	68.7	72.8	75.3	76.1	77.8	79.8	80.3	80.7	80.9	81.0	81.4	81.8	82.4	82.7
GE 1200	10.6	65.1	69.5	73.6	76.2	77.1	79.0	81.0	81.4	81.9	82.0	82.2	82.6	83.0	83.7	84.0
GE 1000	10.6	65.5	70.1	74.2	76.8	77.7	79.7	81.7	82.3	82.9	83.1	83.2	83.7	84.0	84.8	85.1
GE 900	10.6	66.1	70.9	75.2	77.1	79.0	81.0	83.0	83.6	84.2	84.5	84.6	85.1	85.5	86.2	86.5
GE 800	10.6	66.5	71.4	76.0	79.1	79.9	81.9	84.0	84.6	85.5	85.8	85.9	86.4	86.8	87.5	87.8
GE 700	10.6	66.5	71.4	76.2	79.3	80.1	82.2	84.4	85.0	85.8	86.2	86.3	86.8	87.1	87.8	88.2
GE 600	10.6	66.9	71.9	76.8	80.0	81.0	83.0	85.3	86.1	86.9	87.2	87.4	87.8	88.2	88.9	89.2
GE 500	10.6	66.9	71.9	77.0	80.1	81.1	83.3	85.8	86.5	87.5	87.8	88.1	88.7	89.0	89.8	90.2
GE 400	10.6	67.0	72.0	77.1	80.3	81.2	83.5	86.1	86.9	87.8	88.2	88.4	89.0	89.4	90.2	90.5
GE 300	10.6	67.0	72.0	77.2	80.5	81.4	83.7	86.4	87.4	88.5	89.0	89.2	89.8	90.2	91.1	91.5
GE 200	10.6	67.0	72.0	77.2	80.6	81.6	83.9	86.9	87.9	89.6	90.7	90.9	92.3	92.8	94.7	95.9
GE 100	10.6	67.0	72.0	77.2	80.6	81.6	83.9	86.9	87.9	89.7	90.8	91.0	92.4	93.5	96.2	99.6
GE 0	10.6	67.0	72.0	77.2	80.6	81.6	83.9	86.9	87.9	89.7	90.8	91.0	92.4	93.5	96.2	100.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	10.2	15.2	15.5	15.6	16.2	16.2	16.3	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.1	17.4
GE 20000	12.3	18.7	19.9	19.0	19.6	19.7	19.9	20.4	20.4	20.6	20.6	20.6	20.7	20.7	21.0	21.4
GE 18000	12.5	19.5	19.7	19.9	20.4	20.6	20.7	21.3	21.3	21.4	21.4	21.4	21.5	21.5	21.9	22.2
GE 16000	12.9	20.0	20.2	20.3	20.9	21.0	21.2	21.7	21.7	21.9	21.9	21.9	22.0	22.0	22.3	22.7
GE 14000	13.9	22.2	22.5	22.7	23.3	23.4	23.5	24.1	24.1	24.2	24.2	24.2	24.3	24.3	24.7	25.1
GE 12000	14.5	24.6	24.8	25.2	25.8	25.9	26.0	26.6	26.6	26.8	26.8	26.8	27.1	27.1	27.4	27.8
GE 10000	16.5	28.7	29.7	30.1	30.9	31.0	31.1	31.7	31.7	32.0	32.0	32.0	32.3	32.3	32.6	33.0
GE 9000	16.8	29.8	30.7	31.2	31.9	32.0	32.2	32.7	32.7	33.1	33.1	33.1	33.3	33.3	33.7	34.0
GE 8000	17.3	32.0	33.2	33.8	34.5	34.6	34.8	35.3	35.6	35.9	35.9	35.9	36.2	36.2	36.5	36.9
GE 7000	18.3	35.3	36.6	37.2	37.9	38.1	38.2	38.8	39.0	39.4	39.4	39.4	39.6	39.6	40.0	40.3
GE 6000	18.6	36.6	38.1	38.7	39.4	39.5	39.6	40.2	40.4	40.8	40.8	40.8	41.0	41.0	41.4	41.7
GE 5000	20.0	42.6	44.1	44.8	45.5	45.6	45.7	46.3	46.7	47.2	47.2	47.2	47.4	47.4	47.8	48.1
GE 4500	21.4	47.2	48.8	49.5	50.2	50.4	50.5	51.1	51.4	51.9	51.9	51.9	52.1	52.1	52.5	52.8
GE 4000	22.7	53.0	55.1	56.0	56.9	57.0	57.1	57.7	58.0	58.5	58.5	58.5	58.7	58.7	59.1	59.5
GE 3500	23.8	57.8	61.0	62.2	63.2	63.4	63.5	64.2	64.5	65.1	65.1	65.1	65.4	65.4	65.7	66.1
GE 3000	24.8	63.7	67.3	68.8	70.1	70.2	70.7	71.5	71.9	72.5	72.6	72.6	72.8	72.8	73.2	73.5
GE 2500	25.2	66.4	70.2	72.7	74.6	74.7	75.2	76.2	76.6	77.2	77.3	77.3	77.5	77.5	77.9	78.3
GE 2000	25.8	70.0	74.1	76.6	79.0	79.1	79.6	80.9	81.3	81.9	82.0	82.0	82.3	82.3	82.6	83.0
GE 1800	26.0	70.2	74.6	77.1	79.5	79.7	80.3	81.6	82.0	82.6	82.7	82.7	83.0	83.0	83.3	83.7
GE 1500	26.1	72.2	77.0	79.4	81.9	82.2	82.7	84.0	84.5	85.2	85.3	85.3	85.6	85.6	85.9	86.3
GE 1200	26.1	72.5	77.2	79.7	82.5	82.9	83.5	84.8	85.2	85.9	86.1	86.1	86.3	86.3	86.6	87.0
GE 1000	26.1	72.9	77.8	80.4	83.6	84.0	85.0	86.6	87.2	88.1	88.2	88.3	88.5	88.5	88.9	89.2
GE 900	26.1	73.6	78.6	81.2	84.4	84.9	85.8	87.5	88.1	88.9	89.0	89.1	89.4	89.4	89.7	90.1
GE 800	26.1	73.6	78.6	81.2	84.5	85.2	86.3	87.9	88.5	89.4	89.5	89.6	90.1	90.1	90.4	90.8
GE 700	26.1	73.6	78.6	81.4	84.8	85.6	86.6	88.3	88.9	89.7	89.8	90.0	90.4	90.4	90.8	91.1
GE 600	26.1	73.8	79.7	81.9	85.3	86.2	87.4	89.0	89.6	90.4	90.5	90.7	91.1	91.1	91.5	91.8
GE 500	26.1	73.8	79.7	81.9	85.3	86.4	87.7	89.8	90.7	92.1	92.2	92.3	92.8	92.8	93.3	93.6
GE 400	26.1	73.8	79.7	82.0	85.5	86.5	88.1	90.3	91.1	92.6	92.9	93.1	93.6	93.6	94.1	94.4
GE 300	26.1	73.8	79.7	82.0	85.5	86.5	88.2	90.5	91.5	93.0	94.0	94.2	94.7	94.7	95.2	95.5
GE 200	26.1	73.8	79.7	82.0	85.5	86.5	88.2	90.5	91.6	93.5	94.7	95.0	95.6	96.0	97.5	98.3
GE 100	26.1	73.8	79.7	82.0	85.5	86.5	88.2	90.5	91.6	93.5	94.7	95.0	95.7	96.2	98.7	100.0
GE 0	26.1	73.8	79.7	82.0	85.5	86.5	88.2	90.5	91.6	93.5	94.7	95.0	95.7	96.2	98.7	100.0

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: 792070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	13.1	17.5	17.6	17.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.8	17.8	17.8	17.8
GE 20000	18.0	24.5	24.7	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.1	25.1	25.1	25.1
GE 18000	19.1	25.9	26.1	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.5	26.5	26.5	26.5
GE 16000	19.4	26.7	27.0	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3
GE 14000	20.3	28.8	29.1	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4
GE 12000	22.0	31.9	32.2	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.5	32.5	32.5	32.5
GE 10000	24.6	36.5	36.8	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.1	37.1	37.1	37.1
GE 9000	25.3	37.6	37.8	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.2
GE 8000	26.2	40.9	41.3	41.4	41.5	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8	41.8
GE 7000	27.1	44.1	44.4	44.6	44.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0
GE 6000	27.3	45.4	45.7	45.9	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3
GE 5000	28.6	49.4	49.9	50.0	50.1	50.1	50.2	50.4	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6
GE 4500	29.4	53.5	54.0	54.3	54.5	54.5	54.7	54.8	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2
GE 4000	31.3	60.6	61.5	61.7	62.1	62.2	62.4	62.5	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9
GE 3500	33.0	65.7	66.8	67.1	67.5	67.6	67.8	68.0	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3
GE 3000	35.0	74.2	75.7	76.0	76.6	76.7	77.0	77.1	77.2	77.3	77.3	77.3	77.5	77.5	77.5	77.5
GE 2500	35.6	79.1	81.1	81.6	82.2	82.4	82.6	82.7	82.9	83.0	83.0	83.0	83.2	83.2	83.2	83.2
GE 2000	36.3	81.7	83.8	84.4	85.2	85.7	85.9	86.1	86.2	86.3	86.3	86.3	86.5	86.5	86.5	86.5
GE 1800	36.4	82.0	84.2	84.9	85.7	86.2	86.4	86.5	86.6	86.8	86.8	86.8	87.0	87.0	87.0	87.0
GE 1500	36.6	84.0	86.5	87.7	88.9	89.5	89.8	90.1	90.3	90.4	90.5	90.5	90.8	90.8	90.8	90.8
GE 1200	36.9	84.5	87.2	89.1	90.7	91.3	91.6	91.8	92.1	92.2	92.3	92.3	92.6	92.6	92.6	92.6
GE 1000	36.8	85.0	87.9	90.0	91.8	92.4	92.8	93.3	93.6	93.7	94.0	94.0	94.2	94.2	94.2	94.2
GE 900	36.8	85.2	88.3	90.3	92.3	92.9	93.5	94.0	94.3	94.4	94.7	94.7	94.9	94.9	94.9	94.9
GE 800	36.8	85.2	88.4	90.4	92.4	93.0	94.0	94.4	94.8	94.9	95.2	95.2	95.4	95.4	95.4	95.4
GE 700	36.8	85.2	88.4	90.4	92.4	93.0	94.0	94.4	94.8	94.9	95.3	95.3	95.6	95.6	95.6	95.6
GE 600	36.8	85.2	88.5	90.5	92.7	93.3	94.4	94.9	95.5	95.6	96.0	96.0	96.3	96.3	96.3	96.3
GE 500	36.8	85.2	88.5	90.7	92.9	93.5	95.0	95.7	96.3	96.6	97.0	97.0	97.4	97.4	97.4	97.4
GE 400	36.8	85.2	88.5	90.7	93.0	93.7	95.4	96.5	97.2	97.4	98.1	98.1	98.5	98.5	98.5	98.5
GE 300	36.8	85.2	88.5	90.7	93.0	93.7	95.4	96.6	97.5	98.2	99.4	99.4	99.8	99.9	99.9	99.9
GE 200	36.8	85.2	88.5	90.7	93.0	93.7	95.4	96.6	97.5	98.2	99.4	99.4	99.9	100.0	100.0	100.0
GE 100	36.8	85.2	88.5	90.7	93.0	93.7	95.4	96.6	97.5	98.2	99.4	99.4	99.9	100.0	100.0	100.0
GE 0	36.8	85.2	88.5	90.7	93.0	93.7	95.4	96.6	97.5	98.2	99.4	99.4	99.9	100.0	100.0	100.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	17.3	21.7	22.1	22.2	22.5	22.5	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	
GE 20000	22.5	29.2	29.9	30.1	30.4	30.4	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	
GE 18000	22.8	29.7	30.4	30.6	30.9	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	
GE 16000	22.9	30.0	30.7	31.0	31.2	31.2	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	
GE 14000	24.6	32.6	33.3	33.6	33.8	33.8	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	
GE 12000	26.6	35.7	36.4	36.6	36.9	36.9	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	
GE 10000	27.7	38.4	39.2	39.5	39.7	39.7	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	
GE 9000	28.7	39.6	40.4	40.8	41.0	41.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	
GE 8000	29.9	42.9	43.7	44.1	44.7	44.7	44.8	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	
GE 7000	30.6	45.5	46.6	47.0	47.8	47.8	47.9	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	
GE 6000	31.2	47.5	48.6	49.1	49.8	49.8	49.9	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	
GE 5000	32.6	51.3	52.5	53.0	53.7	53.7	53.9	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
GE 4500	35.1	58.0	59.5	60.0	60.8	60.8	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
GE 4000	36.5	65.2	66.9	67.5	68.4	68.4	68.7	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	
GE 3500	37.6	70.7	72.3	73.0	74.1	74.1	74.7	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	
GE 3000	39.4	77.9	79.9	80.9	82.4	82.4	83.0	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	
GE 2500	39.8	82.0	84.6	85.8	87.5	87.5	88.2	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	
GE 2000	39.8	83.9	86.5	88.2	89.8	89.8	90.7	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
GE 1800	39.8	84.2	86.9	88.5	90.4	90.4	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	
GE 1500	40.1	85.5	88.2	90.0	92.1	92.1	93.1	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GE 1200	40.2	85.7	89.4	90.2	92.7	92.7	93.9	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
GE 1000	40.3	86.5	89.2	91.1	93.9	93.9	95.2	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GE 900	40.3	86.5	89.2	91.1	93.9	94.0	95.3	96.0	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	
GE 800	40.3	86.8	89.5	91.4	94.1	94.2	95.6	96.5	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	
GE 700	40.3	86.8	89.5	91.4	94.2	94.3	95.7	96.7	96.9	97.4	97.6	97.6	97.6	97.6	97.6	97.6	
GE 600	40.3	86.8	89.5	91.4	94.4	94.6	96.0	96.9	97.2	97.6	97.9	97.9	97.9	98.1	98.1	98.1	
GE 500	40.3	86.8	89.5	91.4	94.4	94.6	96.2	97.4	97.6	98.2	98.6	98.6	98.6	98.8	98.8	98.8	
GE 400	40.3	86.8	89.5	91.4	94.4	94.6	96.2	97.5	97.9	98.5	98.9	98.9	98.9	99.2	99.2	99.2	
GE 300	40.3	86.8	89.5	91.4	94.4	94.6	96.3	97.9	98.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	
GE 200	40.3	86.8	89.5	91.4	94.4	94.6	96.3	97.9	98.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	
GE 100	40.3	86.8	89.5	91.4	94.4	94.6	96.3	97.9	98.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	
GE 0	40.3	86.8	89.5	91.4	94.4	94.6	96.3	97.9	98.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	9.9	28.6	29.7	29.2	29.3	29.3	29.6	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.8	29.8
GE 20000	11.5	32.3	32.4	32.9	33.0	33.0	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.5	33.5
GE 18000	11.5	32.6	32.7	33.2	33.3	33.3	33.6	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.8	33.8
GE 16000	11.5	32.9	33.0	33.5	33.6	33.6	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9	34.0	34.0
GE 14000	12.3	33.9	34.0	34.5	34.6	34.6	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.1	35.1
GE 12000	12.9	35.9	36.1	36.5	36.6	36.6	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.1	37.1
GE 10000	14.3	39.5	39.6	40.1	40.3	40.3	40.5	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.8	40.8
GE 9000	14.8	40.5	40.7	41.1	41.4	41.4	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.8	41.8
GE 8000	15.4	43.4	43.5	44.0	44.3	44.3	44.6	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.9	44.9
GE 7000	15.8	47.8	47.9	48.3	48.9	48.9	49.2	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.8	49.8
GE 6000	16.1	49.4	49.6	50.1	50.7	50.7	50.9	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.5	51.5
GE 5000	16.7	53.0	53.3	53.9	54.6	54.6	54.8	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.4	55.4
GE 4500	17.1	57.8	58.3	59.0	59.9	59.9	60.2	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.8	60.8
GE 4000	17.5	64.3	64.8	65.7	66.7	66.7	66.9	67.1	67.1	67.3	67.3	67.3	67.4	67.4	67.5	67.5
GE 3500	18.1	69.6	70.2	71.4	72.7	72.8	73.0	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.6	73.6
GE 3000	18.3	75.8	76.7	78.5	80.3	80.5	81.1	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.9	81.9
GE 2500	18.3	79.9	81.3	83.5	86.2	86.4	87.1	87.6	87.6	87.7	87.7	87.7	87.8	87.8	87.9	87.9
GE 2000	18.4	82.0	83.8	86.2	89.0	89.2	90.1	90.5	90.5	90.7	90.7	90.7	90.8	90.8	90.9	90.9
GE 1800	18.6	82.4	84.2	86.6	89.5	89.7	90.5	91.0	91.0	91.1	91.1	91.1	91.3	91.3	91.4	91.4
GE 1500	18.6	82.9	84.6	87.1	90.1	90.3	91.1	91.7	91.7	91.8	91.8	91.8	92.0	92.0	92.1	92.1
GE 1200	18.7	83.5	85.2	87.7	90.7	90.9	91.8	92.7	92.7	92.8	92.8	92.8	92.9	92.9	93.0	93.0
GE 1000	18.7	83.7	85.6	88.7	91.7	92.0	93.0	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.6	94.6
GE 900	18.7	83.7	85.6	88.8	91.8	92.1	93.1	94.6	94.8	94.9	94.9	94.9	95.2	95.2	95.3	95.3
GE 800	18.7	83.8	85.7	88.9	92.0	92.2	93.3	94.7	94.9	95.0	95.0	95.0	95.3	95.3	95.4	95.4
GE 700	18.7	83.8	85.7	88.9	92.0	92.2	93.5	95.0	95.6	95.7	95.7	95.7	96.0	96.0	96.1	96.1
GE 600	18.7	83.8	85.7	89.0	92.1	92.3	93.9	95.4	96.0	96.1	96.1	96.1	96.3	96.3	96.5	96.5
GE 500	18.7	83.8	85.7	89.0	92.1	92.3	93.9	95.6	96.2	96.7	96.7	96.7	96.9	96.9	97.0	97.0
GE 400	18.7	83.8	85.7	89.0	92.1	92.3	94.0	95.9	96.6	97.4	97.5	97.5	97.8	97.8	97.9	97.9
GE 300	18.7	83.8	85.7	89.0	92.1	92.3	94.0	95.9	96.6	97.4	97.9	97.9	98.1	98.1	98.2	98.2
GE 200	18.7	83.8	85.7	89.0	92.1	92.4	94.1	96.0	96.8	97.6	98.1	98.1	98.7	98.7	98.8	98.8
GE 100	18.7	83.8	85.7	89.0	92.1	92.4	94.1	96.0	96.8	97.6	98.1	98.1	98.8	98.8	98.9	98.9
GE 0	18.7	83.8	85.7	89.0	92.1	92.4	94.1	96.0	96.8	97.6	98.1	98.1	98.8	98.8	99.2	100.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	4.4	25.5	26.6	27.0	29.0	29.3	29.6	30.1	30.3	31.0	31.6	31.7	31.7	31.8	31.8	31.9
GE 20000	4.7	29.3	30.4	30.7	32.7	33.1	33.3	33.9	34.0	34.8	35.3	35.5	35.5	35.6	35.6	35.7
GE 18000	4.7	29.4	30.5	31.0	33.0	33.3	33.6	34.2	34.3	35.0	35.6	35.7	35.7	35.8	35.8	35.9
GE 16000	4.7	29.4	30.5	31.0	33.0	33.3	33.6	34.2	34.3	35.0	35.6	35.7	35.7	35.8	35.8	35.9
GE 14000	5.0	30.4	31.4	31.9	33.9	34.3	34.5	35.1	35.2	35.9	36.5	36.6	36.6	36.8	36.8	36.9
GE 12000	5.2	31.0	32.0	32.5	34.5	34.9	35.1	35.7	35.8	36.5	37.1	37.2	37.4	37.5	37.5	37.6
GE 10000	6.1	35.1	36.2	36.6	39.0	39.4	39.6	40.2	40.3	41.0	41.6	41.7	41.8	42.0	42.0	42.1
GE 9000	6.3	36.1	37.2	37.7	40.1	40.4	40.7	41.3	41.4	42.1	42.7	42.8	42.9	43.0	43.0	43.1
GE 8000	6.5	39.0	40.3	41.0	43.6	44.1	44.3	44.9	45.2	45.9	46.5	46.6	46.7	46.8	46.8	46.9
GE 7000	6.5	42.9	44.4	45.3	47.9	48.3	48.6	49.2	49.4	50.1	50.7	50.8	50.9	51.1	51.1	51.2
GE 6000	6.5	43.6	45.3	46.1	48.7	49.2	49.4	50.0	50.2	50.9	51.5	51.7	51.8	51.9	51.9	52.0
GE 5000	6.9	48.3	50.6	51.5	54.3	54.7	55.0	55.6	55.8	56.5	57.1	57.2	57.3	57.4	57.4	57.6
GE 4500	6.9	52.5	55.1	56.0	59.1	59.6	59.8	60.4	60.6	61.5	62.1	62.2	62.3	62.4	62.4	62.5
GE 4000	6.9	56.9	60.0	61.2	64.5	65.0	65.2	65.8	66.1	66.9	67.5	67.6	67.7	67.8	67.8	68.0
GE 3500	7.0	62.3	65.8	67.3	71.0	71.5	71.7	72.5	72.7	73.5	74.1	74.2	74.3	74.5	74.5	74.6
GE 3000	7.0	68.2	72.2	73.8	77.9	78.4	78.6	79.3	79.6	80.4	81.0	81.1	81.2	81.3	81.3	81.4
GE 2500	7.0	72.0	76.5	78.3	82.7	83.2	83.6	84.3	84.5	85.3	85.9	86.1	86.2	86.3	86.3	86.4
GE 2000	7.0	74.6	79.4	81.3	85.9	86.4	86.8	87.6	87.8	88.7	89.2	89.4	89.5	89.6	89.6	89.7
GE 1800	7.0	74.9	79.8	81.8	86.4	86.9	87.2	88.1	88.4	89.2	89.8	90.0	90.1	90.2	90.2	90.3
GE 1500	7.0	75.2	80.0	82.2	86.9	87.5	87.8	88.7	89.0	89.8	90.4	90.5	90.7	90.8	90.8	90.9
GE 1200	7.0	76.0	80.9	83.2	88.1	88.7	89.0	89.8	90.2	91.0	91.6	91.7	91.8	92.0	92.0	92.1
GE 1000	7.0	76.6	81.4	83.8	88.7	89.2	89.8	90.9	91.3	92.1	92.7	92.8	92.9	93.0	93.0	93.1
GE 900	7.0	76.6	81.4	83.9	88.8	89.5	90.2	91.3	91.7	92.6	93.1	93.3	93.4	93.5	93.5	93.6
GE 800	7.0	77.0	81.9	84.4	89.5	90.2	90.9	92.0	92.4	93.3	93.9	94.0	94.1	94.2	94.2	94.3
GE 700	7.0	77.1	82.3	84.8	90.0	90.7	91.5	92.7	93.5	94.3	94.9	95.0	95.2	95.3	95.3	95.4
GE 600	7.0	77.2	82.4	84.9	90.3	91.0	92.1	93.3	94.2	95.0	95.6	95.7	95.9	96.0	96.0	96.1
GE 500	7.0	77.5	82.7	85.2	90.8	91.5	92.6	93.7	94.7	95.5	96.1	96.2	96.3	96.5	96.5	96.6
GE 400	7.0	77.5	82.7	85.2	90.9	91.6	92.7	94.0	94.9	95.7	96.3	96.5	96.6	96.7	96.7	96.8
GE 300	7.0	77.5	82.7	85.2	90.9	91.6	92.8	94.2	95.3	96.1	96.7	96.8	96.9	97.0	97.0	97.2
GE 200	7.0	77.5	82.7	85.2	91.0	91.7	92.9	94.4	95.6	96.7	97.4	97.5	97.8	97.9	98.1	98.3
GE 100	7.0	77.5	82.7	85.2	91.0	91.7	92.9	94.4	95.7	96.8	97.6	97.8	98.1	98.2	98.5	99.3
GE 0	7.0	77.5	82.7	85.2	91.0	91.7	92.9	94.4	95.7	96.8	97.8	97.9	98.3	98.5	99.7	100.0

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS/15T: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	8.1	19.8	20.4	21.0	21.9	22.0	22.2	22.5	22.6	22.9	23.0	23.1	23.2	23.3	23.4	23.5
GE 20000	10.0	23.9	24.6	25.4	26.3	26.4	26.6	26.9	27.0	27.3	27.5	27.5	27.7	27.7	27.9	28.0
GE 18000	10.2	24.4	25.2	25.9	26.8	27.0	27.2	27.5	27.6	27.9	28.1	28.1	28.3	28.3	28.4	28.6
GE 16000	10.3	24.7	25.4	26.2	27.1	27.2	27.5	27.7	27.8	28.1	28.3	28.3	28.5	28.5	28.7	28.8
GE 14000	11.0	26.2	27.0	27.7	28.6	28.8	29.0	29.3	29.4	29.7	29.9	29.9	30.1	30.1	30.2	30.4
GE 12000	11.6	28.1	28.9	29.6	30.5	30.7	30.9	31.3	31.3	31.7	31.8	31.9	32.1	32.1	32.3	32.4
GE 10000	12.7	31.6	32.6	33.3	34.4	34.5	34.8	35.1	35.2	35.5	35.7	35.7	35.9	36.0	36.1	36.3
GE 9000	13.0	32.5	33.4	34.2	35.2	35.4	35.6	36.0	36.1	36.4	36.6	36.6	36.8	36.8	37.0	37.2
GE 8000	13.5	35.1	36.1	37.0	38.1	38.3	38.6	39.0	39.1	39.5	39.7	39.7	39.9	40.0	40.2	40.3
GE 7000	13.9	38.3	39.5	40.4	41.7	41.9	42.2	42.7	42.8	43.2	43.4	43.4	43.6	43.7	43.9	44.0
GE 6000	14.1	39.5	40.8	41.7	43.0	43.2	43.5	44.0	44.1	44.5	44.7	44.7	44.9	45.0	45.2	45.3
GE 5000	14.8	44.1	45.8	47.0	48.3	48.5	48.9	49.4	49.6	50.0	50.2	50.2	50.4	50.5	50.7	50.8
GE 4500	15.5	49.2	51.0	52.3	53.8	54.0	54.5	55.0	55.2	55.7	55.9	55.9	56.1	56.2	56.4	56.5
GE 4000	16.3	55.1	57.4	58.9	60.5	60.7	61.2	61.8	62.1	62.6	62.7	62.8	63.0	63.0	63.3	63.4
GE 3500	16.8	60.5	63.1	64.8	66.7	66.9	67.5	68.2	68.4	69.0	69.1	69.2	69.4	69.4	69.7	69.8
GE 3000	17.5	66.8	69.9	71.9	74.0	74.3	75.0	75.7	76.0	76.6	76.7	76.8	77.0	77.1	77.3	77.4
GE 2500	17.8	70.7	74.3	76.7	79.1	79.5	80.2	81.1	81.3	81.9	82.1	82.1	82.3	82.4	82.6	82.7
GE 2000	17.9	73.1	76.9	79.5	82.1	82.5	83.3	84.3	84.6	85.1	85.3	85.3	85.6	85.6	85.8	86.0
GE 1800	18.0	73.6	77.5	80.2	82.8	83.2	84.1	85.0	85.3	85.9	86.1	86.1	86.3	86.4	86.6	86.7
GE 1500	18.1	74.7	78.9	81.7	84.5	85.0	85.9	86.9	87.3	87.9	88.1	88.2	88.4	88.5	88.7	88.8
GE 1200	18.1	75.4	79.7	82.7	85.7	86.1	87.2	88.2	88.6	89.2	89.5	89.5	89.7	89.8	90.0	90.1
GE 1000	18.2	76.0	80.4	83.5	86.7	87.1	88.3	89.5	89.9	90.6	90.9	90.9	91.1	91.2	91.4	91.6
GE 900	18.2	76.3	80.7	83.9	87.1	87.6	88.8	90.1	90.5	91.2	91.5	91.5	91.8	91.9	92.1	92.2
GE 800	18.2	76.4	80.9	84.1	87.5	88.0	89.3	90.6	91.1	91.8	92.1	92.2	92.4	92.5	92.8	92.9
GE 700	18.2	76.4	81.0	84.3	87.7	88.2	89.6	90.9	91.5	92.3	92.6	92.7	93.0	93.1	93.3	93.5
GE 600	18.2	76.6	81.1	84.5	88.0	88.6	90.1	91.4	92.1	92.8	93.2	93.2	93.6	93.7	93.9	94.0
GE 500	18.2	76.6	81.2	84.7	88.2	88.8	90.4	91.9	92.6	93.5	93.9	93.9	94.3	94.4	94.7	94.8
GE 400	18.2	76.6	81.3	84.7	88.2	88.9	90.5	92.2	92.9	93.9	94.4	94.4	94.8	94.9	95.2	95.3
GE 300	18.2	76.7	81.3	84.8	88.3	88.9	90.7	92.5	93.3	94.4	95.1	95.2	95.6	95.7	96.0	96.1
GE 200	18.2	76.7	81.3	84.8	88.4	89.0	90.8	92.6	93.5	94.8	95.7	95.8	96.5	96.7	97.4	97.9
GE 100	18.2	76.7	81.3	84.8	88.4	89.0	90.8	92.6	93.5	94.9	95.9	96.0	96.7	97.1	98.1	99.7
GE 0	18.2	76.7	81.3	84.8	88.4	89.0	90.8	92.6	93.5	94.9	95.9	96.0	96.7	97.1	98.2	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	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	1.8	37.5	39.7	40.5	42.0	42.4	42.8	43.0	43.2	43.3	43.5	43.7	43.9	43.9	44.1	44.2
GE 20000	2.2	39.2	41.4	42.4	43.9	44.4	44.8	45.1	45.3	45.4	45.6	45.7	46.0	46.0	46.2	46.3
GE 18000	2.2	39.6	41.7	42.7	44.2	44.7	45.2	45.4	45.6	45.7	45.9	46.0	46.3	46.3	46.6	46.7
GE 16000	2.2	39.6	41.7	42.7	44.2	44.7	45.2	45.4	45.6	45.7	45.9	46.0	46.3	46.3	46.6	46.7
GE 14000	2.2	40.4	42.6	43.5	45.1	45.6	46.0	46.2	46.5	46.6	46.8	46.9	47.2	47.2	47.4	47.5
GE 12000	2.2	41.2	43.3	44.5	46.0	46.6	47.0	47.2	47.4	47.5	47.7	47.8	48.2	48.2	48.4	48.5
GE 10000	2.6	44.9	47.1	48.4	50.1	50.6	51.1	51.3	51.6	51.7	51.9	52.0	52.4	52.4	52.6	52.7
GE 9000	2.6	45.7	47.8	49.1	50.9	51.4	51.8	52.0	52.4	52.5	52.7	52.8	53.1	53.1	53.3	53.4
GE 8000	2.6	49.1	51.4	52.8	54.6	55.2	55.7	56.0	56.3	56.6	56.8	56.9	57.2	57.2	57.4	57.5
GE 7000	2.6	51.9	54.2	55.6	57.4	58.0	58.5	58.8	59.1	59.4	59.6	59.7	60.0	60.0	60.2	60.4
GE 6000	2.6	52.9	55.2	56.6	58.4	58.9	59.5	59.8	60.1	60.3	60.5	60.6	61.0	61.0	61.2	61.4
GE 5000	2.6	56.3	58.7	60.1	61.9	62.5	63.0	63.3	63.7	63.9	64.1	64.2	64.5	64.5	64.7	64.9
GE 4500	2.6	60.9	63.2	64.6	66.5	67.0	67.7	68.1	68.4	68.6	68.8	68.9	69.2	69.2	69.5	69.7
GE 4000	2.6	66.3	68.7	70.2	72.3	72.8	73.5	73.9	74.2	74.4	74.6	74.7	75.1	75.1	75.3	75.5
GE 3500	2.6	71.8	74.3	75.8	77.8	78.4	79.1	79.5	80.1	80.3	80.5	80.6	81.0	81.0	81.2	81.4
GE 3000	2.6	77.8	80.9	82.7	84.7	85.3	86.0	86.3	87.0	87.2	87.4	87.5	87.8	87.8	88.1	88.3
GE 2500	2.7	80.9	83.9	85.7	87.7	88.3	89.0	89.4	90.0	90.2	90.4	90.5	90.9	90.9	91.1	91.3
GE 2000	2.7	83.0	86.2	88.1	90.4	91.0	91.7	92.0	92.7	92.9	93.1	93.2	93.5	93.5	93.8	94.0
GE 1800	2.7	83.3	86.6	88.4	90.8	91.3	92.0	92.4	93.0	93.2	93.4	93.5	93.9	93.9	94.2	94.4
GE 1500	2.7	84.4	87.6	89.5	91.8	92.4	93.2	93.5	94.2	94.4	94.6	94.7	95.1	95.1	95.4	95.6
GE 1200	2.7	84.7	88.0	89.8	92.2	92.7	93.7	94.0	94.6	94.9	95.2	95.3	95.6	95.6	95.9	96.1
GE 1000	2.7	85.3	88.5	90.3	92.9	93.4	94.4	94.7	95.4	95.7	95.9	96.0	96.3	96.3	96.7	96.9
GE 900	2.7	85.6	88.8	90.6	93.2	93.8	94.7	95.2	95.8	96.1	96.3	96.5	96.8	96.8	97.1	97.3
GE 800	2.7	85.7	88.9	91.1	93.7	94.2	95.2	95.6	96.2	96.6	96.8	96.9	97.2	97.2	97.5	97.7
GE 700	2.7	85.7	88.9	91.1	93.7	94.2	95.2	95.6	96.2	96.6	96.8	96.9	97.2	97.2	97.5	97.7
GE 600	2.7	85.7	88.9	91.1	93.9	94.4	95.4	95.8	96.5	96.8	97.0	97.1	97.4	97.5	97.8	98.1
GE 500	2.7	85.7	88.9	91.1	93.9	94.4	95.4	95.8	96.5	96.8	97.0	97.1	97.4	97.5	97.8	98.4
GE 400	2.7	85.7	88.9	91.3	94.2	94.7	95.7	96.1	96.8	97.1	97.4	97.5	97.8	98.0	98.3	98.9
GE 300	2.7	85.7	88.9	91.3	94.5	95.1	96.1	96.6	97.2	97.5	98.0	98.1	98.4	98.5	98.8	99.5
GE 200	2.7	85.7	88.9	91.4	94.6	95.2	96.2	96.7	97.4	97.7	98.2	98.3	98.6	98.7	99.0	99.7
GE 100	2.7	85.7	88.9	91.4	94.6	95.2	96.2	96.7	97.7	98.1	98.5	98.6	98.9	99.0	99.4	100.0
GE ni	2.7	85.7	88.9	91.4	94.6	95.2	96.2	96.7	97.7	98.1	98.5	98.6	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1.7	28.2	31.2	32.2	34.1	34.4	34.9	35.9	36.0	36.6	36.8	37.0	37.5	37.7	37.8	37.8	
GE 20000	1.7	29.0	32.2	33.2	35.2	35.5	36.1	37.1	37.2	37.7	38.0	38.2	38.7	38.9	39.0	39.0	
GE 18000	1.7	29.0	32.2	33.2	35.2	35.5	36.1	37.1	37.2	37.7	38.0	38.2	38.7	38.9	39.0	39.0	
GE 16000	1.7	29.0	32.2	33.2	35.2	35.5	36.1	37.1	37.2	37.7	38.0	38.2	38.7	38.9	39.0	39.0	
GE 14000	1.7	29.6	32.7	33.8	35.7	36.0	36.7	37.6	37.7	38.3	38.5	38.7	39.2	39.5	39.6	39.6	
GE 12000	1.7	30.9	34.0	35.1	37.0	37.3	38.1	39.0	39.1	39.7	39.9	40.1	40.6	40.9	41.0	41.0	
GE 10000	1.8	34.2	37.4	38.5	40.5	40.9	41.6	42.6	42.7	43.2	43.4	43.7	44.2	44.4	44.5	44.5	
GE 9000	1.8	35.3	38.5	39.7	41.9	42.3	43.0	44.0	44.1	44.6	44.8	45.1	45.6	45.8	45.9	45.9	
GE 8000	1.8	38.9	42.3	43.4	46.0	46.3	47.3	48.3	48.4	48.9	49.1	49.4	49.9	50.1	50.2	50.2	
GE 7000	1.8	41.5	44.8	46.0	48.6	48.9	49.9	50.9	51.0	51.5	51.7	51.9	52.5	52.7	52.8	52.8	
GE 6000	1.8	41.7	45.1	46.2	48.8	49.1	50.1	51.1	51.2	51.7	51.9	52.2	52.7	52.9	53.0	53.0	
GE 5000	1.8	45.8	49.1	50.3	52.9	53.2	54.2	55.2	55.3	55.8	56.0	56.2	56.8	57.0	57.1	57.1	
GE 4500	1.9	50.4	54.0	55.5	58.2	58.5	59.6	60.5	60.6	61.2	61.5	61.7	62.3	62.5	62.6	62.6	
GE 4000	1.9	55.8	59.6	61.1	64.1	64.4	65.6	66.6	66.7	67.2	67.5	67.7	68.3	68.5	68.6	68.6	
GE 3500	1.9	61.5	65.4	66.9	70.1	70.4	71.6	72.6	72.9	73.4	73.8	74.0	74.5	74.7	74.8	74.8	
GE 3000	1.9	66.7	70.6	72.2	75.5	75.8	77.0	78.0	78.3	78.8	79.1	79.4	79.9	80.1	80.2	80.2	
GE 2500	1.9	70.4	74.6	76.5	80.1	80.4	81.6	82.6	82.9	83.4	83.8	84.0	84.5	84.7	84.8	84.8	
GE 2000	1.9	72.7	76.9	78.7	82.4	82.8	84.0	84.9	85.3	85.8	86.1	86.3	87.0	87.2	87.3	87.3	
GE 1800	1.9	73.0	77.5	79.4	83.0	83.4	84.6	85.6	85.9	86.5	86.8	87.0	87.6	87.8	88.0	88.0	
GE 1500	1.9	74.5	79.0	80.9	84.5	84.9	86.1	87.2	87.5	88.1	88.4	88.6	89.2	89.5	89.6	89.6	
GE 1200	1.9	76.1	80.6	82.5	86.3	86.8	88.1	89.1	89.5	90.0	90.4	90.6	91.3	91.5	91.6	91.6	
GE 1000	1.9	76.3	80.9	82.7	86.7	87.1	88.4	89.5	89.9	90.5	91.0	91.2	91.8	92.0	92.2	92.2	
GE 900	1.9	77.1	81.6	83.4	87.4	87.8	89.2	90.3	90.8	91.4	91.8	92.0	92.7	92.9	93.0	93.0	
GE 800	1.9	77.1	81.6	83.5	87.6	88.1	89.5	90.5	91.0	91.6	92.0	92.3	92.9	93.1	93.2	93.2	
GE 700	1.9	77.4	81.9	83.9	88.1	88.5	90.0	91.1	91.5	92.2	92.6	92.8	93.4	93.7	93.8	93.8	
GE 600	1.9	77.5	82.0	84.0	88.2	88.6	90.1	91.2	91.6	92.3	92.7	92.9	93.5	93.8	93.9	94.1	
GE 500	1.9	77.5	82.0	84.0	88.4	88.8	90.3	91.5	92.0	92.7	93.1	93.3	94.1	94.3	94.4	94.8	
GE 400	1.9	77.5	82.0	84.0	88.9	89.5	91.0	92.4	92.9	93.5	94.2	94.4	95.2	95.4	95.6	96.3	
GE 300	1.9	77.5	82.3	84.2	89.4	89.9	91.6	93.3	94.3	94.9	95.7	95.9	96.7	97.0	97.2	98.2	
GE 200	1.9	77.5	82.3	84.2	89.5	90.0	91.7	93.5	94.7	95.4	96.2	96.5	97.2	97.5	98.1	99.4	
GE 100	1.9	77.5	82.3	84.2	89.5	90.0	91.7	93.7	95.1	95.7	96.7	96.9	97.7	98.1	98.7	100.0	
GE 0	1.9	77.5	82.3	84.2	89.5	90.0	91.7	93.7	95.1	95.7	96.7	96.9	97.7	98.1	98.7	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS: 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	13.8	24.8	26.5	27.0	28.2	28.7	29.6	30.1	30.3	31.1	31.1	31.1	31.4	31.4	31.4	31.5
GE 20000	14.3	27.3	29.4	29.9	31.3	31.9	32.9	33.4	33.7	34.5	34.6	34.6	35.1	35.1	35.1	35.2
GE 18000	14.5	27.8	29.9	30.4	31.8	32.5	33.4	34.0	34.2	35.1	35.2	35.2	35.6	35.6	35.7	35.8
GE 16000	14.5	27.8	30.0	30.5	31.9	32.6	33.5	34.1	34.3	35.2	35.3	35.3	35.7	35.7	35.8	35.9
GE 14000	14.8	28.3	30.4	31.0	32.4	33.0	34.0	34.5	34.7	35.6	35.7	35.7	36.1	36.1	36.2	36.3
GE 12000	15.8	30.4	32.6	33.2	34.7	35.4	36.5	37.0	37.2	38.1	38.2	38.2	38.6	38.6	38.8	38.9
GE 10000	16.5	32.5	34.6	35.3	36.9	37.4	38.6	39.1	39.4	40.2	40.3	40.3	40.8	40.8	41.0	41.2
GE 9000	16.7	33.1	35.3	35.9	37.5	38.2	39.4	39.9	40.1	41.0	41.1	41.1	41.5	41.7	41.9	42.2
GE 8000	16.9	35.9	38.1	38.8	40.6	41.3	42.6	43.1	43.3	44.2	44.3	44.3	44.7	44.9	45.2	45.4
GE 7000	17.0	38.2	40.3	41.1	42.9	43.5	44.8	45.4	45.6	46.5	46.7	46.7	47.1	47.3	47.5	47.7
GE 6000	17.3	38.6	40.8	41.5	43.3	44.0	45.3	45.8	46.0	46.9	47.1	47.1	47.5	47.7	48.0	48.2
GE 5000	17.7	43.2	45.5	46.5	48.2	48.8	50.1	50.6	50.9	51.7	51.9	51.9	52.4	52.6	52.8	53.0
GE 4500	18.1	47.2	49.7	50.6	52.8	53.4	54.8	55.4	55.6	56.5	56.7	56.7	57.1	57.3	57.5	57.7
GE 4000	18.8	52.5	55.4	56.7	59.0	59.7	61.1	61.6	61.8	62.7	62.9	62.9	63.3	63.5	63.8	64.0
GE 3500	19.2	57.0	60.0	61.3	63.8	64.4	65.9	66.5	66.8	67.6	68.0	68.0	68.4	68.6	68.8	69.0
GE 3000	19.7	64.5	68.3	69.9	72.5	73.1	74.6	75.4	75.7	76.7	77.0	77.0	77.4	77.6	78.0	78.2
GE 2500	20.0	67.1	71.1	72.7	75.3	75.9	77.4	78.2	78.5	79.5	79.8	79.8	80.2	80.4	80.8	81.0
GE 2000	20.3	69.9	74.4	76.1	78.8	79.6	81.1	82.0	82.4	83.3	83.7	83.7	84.1	84.3	84.6	84.8
GE 1800	20.3	70.5	75.1	76.8	79.6	80.3	81.8	82.8	83.1	84.1	84.4	84.4	84.8	85.1	85.4	85.6
GE 1500	20.3	72.0	76.7	78.4	81.3	82.0	83.5	84.5	84.8	85.8	86.1	86.1	86.6	86.8	87.1	87.3
GE 1200	20.3	74.0	78.9	80.9	83.9	84.6	86.2	87.2	87.5	88.5	88.8	88.8	89.2	89.5	89.8	90.0
GE 1000	20.3	74.1	79.1	81.1	84.1	84.8	86.5	87.4	87.7	88.7	89.1	89.1	89.6	89.8	90.1	90.3
GE 900	20.4	74.4	79.5	81.4	84.5	85.3	86.9	87.8	88.2	89.1	89.6	89.6	90.0	90.2	90.5	90.8
GE 800	20.5	74.6	79.7	81.6	84.8	85.6	87.2	88.2	88.5	89.5	89.9	89.9	90.3	90.5	90.9	91.1
GE 700	20.5	74.6	79.7	81.6	84.9	85.7	87.3	88.3	88.6	89.6	90.0	90.0	90.4	90.6	91.0	91.2
GE 600	20.5	74.6	79.7	81.6	85.2	85.9	87.5	88.5	89.0	90.0	90.4	90.4	91.0	91.2	91.5	91.7
GE 500	20.5	74.6	79.8	81.9	85.8	86.6	88.3	89.4	89.9	90.9	91.3	91.3	91.8	92.0	92.4	92.6
GE 400	20.5	74.7	80.0	82.2	86.1	87.0	88.7	89.9	90.9	91.8	92.3	92.3	92.9	93.1	93.4	94.1
GE 300	20.5	74.7	80.0	82.2	86.1	87.0	88.8	90.2	91.3	92.3	92.9	92.9	93.5	94.3	94.9	95.9
GE 200	20.5	74.7	80.0	82.2	86.1	87.0	88.9	90.5	91.8	92.9	93.7	93.7	94.3	95.3	96.2	98.0
GE 100	20.5	74.7	80.0	82.2	86.1	87.0	88.9	90.5	91.8	93.1	93.9	93.9	94.8	95.8	97.5	99.6
GE 0	20.5	74.7	80.0	82.2	86.1	87.0	88.9	90.5	91.8	93.1	93.9	93.9	94.8	95.8	97.5	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.5	25.2	26.2	26.7	26.8	26.9	26.9	26.9	27.0	27.0	27.0	27.0	27.1	27.1	27.4	27.6
GE 20000	21.2	30.0	31.1	31.6	31.7	31.9	31.9	31.9	32.0	32.3	32.3	32.3	32.4	32.4	32.7	32.9
GE 18000	21.4	30.9	31.9	32.5	32.7	32.9	32.9	32.9	33.0	33.2	33.2	33.2	33.3	33.3	33.7	33.9
GE 16000	21.6	31.1	32.4	32.9	33.1	33.3	33.3	33.3	33.4	33.7	33.7	33.7	33.8	33.8	34.1	34.3
GE 14000	22.6	32.4	33.7	34.2	34.4	34.6	34.6	34.6	34.7	34.9	34.9	34.9	35.1	35.1	35.4	35.6
GE 12000	23.5	34.1	35.5	36.0	36.2	36.5	36.5	36.5	36.6	36.8	36.8	36.8	36.9	36.9	37.2	37.4
GE 10000	24.7	36.6	38.0	38.6	38.9	39.1	39.1	39.1	39.2	39.5	39.5	39.5	39.6	39.6	39.9	40.1
GE 9000	25.3	37.2	38.7	39.5	39.8	40.0	40.0	40.0	40.1	40.3	40.4	40.4	40.6	40.6	41.0	41.2
GE 8000	26.9	39.8	41.3	42.2	42.6	42.8	42.8	42.8	43.0	43.2	43.3	43.3	43.5	43.5	43.9	44.1
GE 7000	28.2	43.3	44.8	45.7	46.1	46.3	46.5	46.6	46.8	47.0	47.1	47.1	47.3	47.3	47.6	47.8
GE 6000	28.7	44.5	46.0	46.9	47.4	47.6	47.7	47.8	48.1	48.3	48.4	48.4	48.6	48.6	48.9	49.1
GE 5000	29.8	48.0	49.7	50.8	51.4	51.6	51.7	51.8	52.0	52.3	52.4	52.4	52.6	52.6	52.9	53.1
GE 4500	31.1	52.7	54.9	55.5	56.5	56.7	56.8	57.0	57.2	57.4	57.5	57.5	57.7	57.7	58.1	58.3
GE 4000	33.0	58.2	63.1	61.2	62.3	62.5	62.6	62.8	63.0	63.2	63.3	63.3	63.5	63.5	63.9	64.1
GE 3500	35.7	64.3	66.6	68.1	69.4	69.6	69.7	69.9	70.1	70.3	70.4	70.4	70.6	70.6	71.0	71.2
GE 3000	38.0	72.2	75.3	76.8	78.1	78.4	78.5	78.7	78.9	79.2	79.4	79.4	79.6	79.6	79.9	80.1
GE 2500	39.5	74.9	78.2	80.1	81.6	81.9	82.0	82.3	82.5	82.8	82.9	82.9	83.1	83.1	83.4	83.7
GE 2000	38.7	78.2	82.2	84.4	85.9	86.2	86.6	86.9	87.1	87.4	87.5	87.5	87.7	87.7	88.1	88.3
GE 1800	38.8	78.7	82.7	84.9	86.5	86.8	87.1	87.4	87.6	88.0	88.1	88.1	88.3	88.3	88.6	88.8
GE 1500	39.0	80.3	84.7	87.0	88.6	88.9	89.4	89.7	89.9	90.2	90.3	90.3	90.5	90.5	90.9	91.1
GE 1200	39.2	81.9	86.5	88.8	90.6	91.1	91.6	91.9	92.2	92.5	92.6	92.6	92.8	92.8	93.1	93.3
GE 1000	39.2	82.6	87.5	89.9	91.8	92.3	92.8	93.2	93.4	93.9	94.0	94.0	94.2	94.2	94.5	94.7
GE 900	39.2	83.0	89.0	90.3	92.6	93.0	93.5	94.1	94.3	94.7	94.8	94.8	95.1	95.1	95.4	95.6
GE 800	39.2	83.2	88.3	90.6	93.1	93.8	94.3	94.8	95.1	95.5	95.6	95.6	95.9	95.9	96.2	96.5
GE 700	39.2	83.2	88.3	90.6	93.1	93.8	94.3	94.9	95.2	95.7	95.8	95.8	96.1	96.1	96.5	96.7
GE 600	39.2	83.2	88.3	90.6	93.1	93.9	94.5	95.2	95.4	95.9	96.0	96.0	96.3	96.5	96.8	97.0
GE 500	39.2	83.2	88.3	90.6	93.1	93.9	94.8	95.5	95.7	96.5	96.7	96.7	97.0	97.1	97.4	97.6
GE 400	39.2	83.2	89.3	90.8	93.2	94.0	95.2	95.9	96.2	97.1	97.3	97.3	97.7	97.8	98.2	98.6
GE 300	39.2	83.2	89.3	90.8	93.2	94.0	95.2	95.9	96.2	97.2	97.4	97.4	98.0	98.2	98.5	98.9
GE 200	39.2	83.2	88.3	90.8	93.2	94.0	95.2	95.9	96.2	97.2	97.6	97.6	98.3	98.5	98.8	99.4
GE 100	39.2	83.2	88.3	90.8	93.2	94.0	95.2	95.9	96.2	97.2	97.6	97.6	98.3	98.5	99.0	99.8
GE 0	39.2	83.2	89.3	90.8	93.2	94.0	95.2	95.9	96.2	97.2	97.6	97.6	98.3	98.5	99.1	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.5	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
GE 20000	28.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 18000	28.3	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 16000	28.4	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 14000	29.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 12000	30.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 10000	31.4	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 9000	31.8	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 8000	33.1	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 7000	34.3	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 6000	35.1	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 5000	35.8	56.3	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 4500	36.9	60.2	60.5	60.9	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 4000	39.5	65.8	66.1	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 3500	42.9	74.4	74.8	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3000	45.4	84.0	84.8	85.4	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2500	46.2	87.7	88.7	89.6	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2000	47.1	91.2	92.2	93.0	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1800	47.1	91.7	92.8	93.7	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 1500	47.3	93.9	95.3	96.2	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	47.3	94.4	96.0	97.1	97.8	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	47.3	94.5	96.2	97.4	98.3	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	47.3	94.5	96.3	97.5	98.6	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	47.3	94.5	96.3	97.5	98.6	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	47.3	94.5	96.5	97.6	98.7	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	47.3	94.5	96.5	97.6	98.7	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	47.3	94.5	96.6	97.7	98.8	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	47.3	94.5	96.7	97.8	98.9	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	47.3	94.5	96.7	97.8	98.9	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	47.3	94.5	96.7	97.8	98.9	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	47.3	94.5	96.7	97.8	98.9	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	47.3	94.5	96.7	97.8	98.9	99.5	99.8	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.3	30.3	30.3	30.3	30.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
GE 20000	29.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 18000	30.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 16000	30.6	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 14000	31.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 12000	32.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 10000	34.1	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 9000	34.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000	36.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 7000	36.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 6000	37.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 5000	39.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4500	40.8	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4000	42.3	72.2	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 3500	44.8	78.6	79.7	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
GE 3000	47.1	87.0	88.4	88.6	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 2500	47.5	90.2	91.8	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	48.2	93.3	95.1	95.5	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	48.2	93.5	95.3	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	48.2	94.2	95.9	96.3	96.9	96.9	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	48.3	94.8	96.6	97.0	97.6	97.6	97.8	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	48.3	95.2	97.1	97.5	98.2	98.2	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	48.3	95.2	97.2	97.6	98.3	98.3	98.5	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	48.3	95.2	97.2	97.6	98.6	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	48.3	95.2	97.3	97.7	98.7	98.7	98.9	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	48.3	95.2	97.3	97.7	98.8	98.8	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	48.3	95.2	97.3	97.7	98.8	98.8	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	48.3	95.2	97.4	97.8	99.0	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	48.3	95.2	97.4	97.8	99.0	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	48.3	95.2	97.4	97.8	99.0	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	48.3	95.2	97.4	97.8	99.0	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	48.3	95.2	97.4	97.8	99.0	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.6	36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 20000	17.8	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 18000	18.3	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 16000	18.3	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 14000	19.3	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 12000	19.9	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000	21.0	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 9000	21.2	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 8000	21.5	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 7000	22.2	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 6000	22.7	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 5000	23.9	68.2	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4500	24.5	72.8	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000	25.2	76.4	77.2	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 3500	26.0	82.3	83.4	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3000	27.2	89.1	90.4	90.4	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2500	27.4	91.5	93.0	93.0	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	27.6	93.0	94.5	94.8	95.9	96.0	96.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	27.6	93.4	94.9	95.3	96.3	96.4	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	27.6	94.0	95.6	95.9	97.0	97.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1200	27.6	94.0	95.6	96.1	97.2	97.3	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	27.6	94.3	95.9	96.8	98.2	98.3	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	27.6	94.3	96.0	97.0	98.4	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	27.6	94.3	96.0	97.0	98.4	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	27.6	94.3	96.0	97.0	98.4	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	27.6	94.4	96.1	97.1	98.5	98.6	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	27.6	94.4	96.1	97.1	98.5	98.7	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	27.6	94.4	96.1	97.1	98.7	98.9	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	27.6	94.4	96.1	97.1	98.7	98.9	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 200	27.6	94.4	96.1	97.1	98.7	98.9	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	27.6	94.4	96.1	97.1	98.7	98.9	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	27.6	94.4	96.1	97.1	98.7	98.9	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	6.6	41.1	41.4	41.6	41.9	42.0	42.0	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2
GE 20000	7.0	44.4	44.9	45.2	45.6	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8
GE 18000	7.0	44.8	45.4	45.6	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2
GE 16000	7.0	44.8	45.4	45.6	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2
GE 14000	7.2	46.0	46.6	46.8	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4
GE 12000	7.6	47.2	47.7	48.0	48.4	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
GE 10000	8.2	53.5	54.1	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9
GE 9000	8.2	54.1	54.6	54.8	55.3	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5
GE 8000	8.7	58.3	58.8	59.1	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
GE 7000	9.4	60.6	61.3	61.6	62.2	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
GE 6000	9.5	62.0	62.7	63.0	63.5	63.7	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9
GE 5000	9.7	67.6	68.3	68.6	69.1	69.2	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
GE 4500	10.0	71.8	72.6	72.9	73.5	73.7	73.8	73.8	73.8	73.8	73.9	73.9	74.0	74.0	74.0	74.0
GE 4000	10.1	76.5	77.2	77.5	78.2	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.6	78.6	78.6	78.6
GE 3500	10.2	80.6	81.5	81.8	82.5	82.6	82.8	82.8	83.1	83.1	83.2	83.2	83.3	83.3	83.3	83.3
GE 3000	10.4	85.8	87.4	87.8	88.9	89.0	89.2	89.4	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9
GE 2500	10.8	88.4	90.0	90.5	91.6	91.7	91.9	92.0	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.6
GE 2000	10.8	91.1	92.9	93.7	94.4	94.9	95.2	95.4	95.7	95.7	95.9	95.8	95.9	95.9	95.9	95.9
GE 1800	10.8	91.4	93.3	94.1	95.3	95.4	95.6	95.8	96.1	96.1	96.2	96.2	96.3	96.3	96.3	96.3
GE 1500	10.8	92.0	94.1	94.8	96.1	96.2	96.6	96.8	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3
GE 1200	10.8	92.2	94.3	95.2	96.5	96.6	96.9	97.1	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6
GE 1000	10.8	92.6	94.7	95.7	97.0	97.1	97.4	97.6	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2
GE 900	10.8	92.6	94.7	95.7	97.0	97.1	97.4	97.6	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2
GE 800	10.8	92.6	94.7	95.8	97.1	97.2	97.5	97.7	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.3
GE 700	10.8	92.7	94.8	95.9	97.2	97.3	97.6	97.8	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 600	10.8	92.7	94.8	95.9	97.2	97.3	97.6	97.8	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 500	10.8	92.7	94.8	95.9	97.2	97.3	97.6	97.8	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 400	10.8	92.7	94.8	95.9	97.2	97.3	97.6	97.8	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 300	10.8	92.8	95.1	96.2	98.0	98.1	98.4	98.7	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0
GE 200	10.8	92.8	95.1	96.2	98.0	98.1	98.4	98.7	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0
GE 100	10.8	92.8	95.1	96.2	98.0	98.1	98.4	98.7	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0
GE 0	10.8	92.8	95.1	96.2	98.0	98.1	98.4	98.7	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	13.0	31.6	32.6	33.0	33.6	33.8	34.0	34.3	34.3	34.5	34.6	34.6	34.6	34.8	34.8	34.9	34.9
GE 20000	15.2	36.2	37.3	37.7	38.4	38.6	38.9	39.1	39.2	39.4	39.5	39.5	39.5	39.7	39.7	39.8	39.8
GE 18000	15.4	36.8	37.9	38.3	39.0	39.2	39.5	39.7	39.8	40.0	40.0	40.1	40.1	40.3	40.3	40.4	40.5
GE 16000	15.5	36.9	38.1	38.5	39.2	39.4	39.7	39.9	40.0	40.2	40.2	40.3	40.3	40.5	40.5	40.6	40.6
GE 14000	16.1	38.0	39.1	39.5	40.2	40.5	40.7	40.9	41.0	41.2	41.3	41.4	41.5	41.6	41.7	41.7	41.7
GE 12000	16.7	39.6	40.7	41.2	41.9	42.1	42.4	42.6	42.7	42.9	43.0	43.1	43.2	43.3	43.4	43.4	43.4
GE 10000	17.5	43.3	44.5	44.9	45.7	45.9	46.2	46.4	46.5	46.8	46.8	46.9	47.0	47.1	47.2	47.3	47.3
GE 9000	17.7	43.9	45.1	45.6	46.4	46.7	47.0	47.2	47.3	47.5	47.6	47.6	47.8	47.9	48.0	48.0	48.0
GE 8000	18.5	47.7	48.9	49.5	50.4	50.7	51.0	51.2	51.3	51.6	51.7	51.7	51.9	51.9	52.1	52.1	52.1
GE 7000	19.0	50.5	51.7	52.3	53.2	53.4	53.8	54.1	54.2	54.4	54.5	54.5	54.7	54.8	54.9	55.0	55.0
GE 6000	19.4	51.8	53.1	53.7	54.6	54.8	55.2	55.5	55.6	55.8	55.9	55.9	56.1	56.2	56.3	56.4	56.4
GE 5000	20.1	56.2	57.6	58.3	59.2	59.5	59.8	60.1	60.2	60.4	60.5	60.6	60.8	60.8	60.9	61.0	61.0
GE 4500	20.7	60.5	61.9	62.6	63.7	64.0	64.4	64.7	64.8	65.0	65.1	65.2	65.4	65.4	65.5	65.6	65.6
GE 4000	21.7	65.5	67.1	67.9	69.1	69.4	69.8	70.1	70.2	70.4	70.5	70.6	70.8	70.8	70.9	71.0	71.0
GE 3500	22.9	71.3	73.2	74.1	75.4	75.6	76.1	76.4	76.6	76.8	76.9	77.0	77.2	77.3	77.4	77.4	77.4
GE 3000	24.1	78.4	80.8	81.7	83.2	83.5	83.9	84.2	84.5	84.7	84.9	84.9	85.1	85.2	85.3	85.4	85.4
GE 2500	24.4	81.4	83.9	85.0	86.6	86.9	87.4	87.7	87.9	88.2	88.3	88.4	88.6	88.6	88.7	88.8	88.8
GE 2000	24.7	84.0	86.8	88.0	89.7	90.0	90.5	90.9	91.2	91.4	91.6	91.6	91.8	91.9	92.0	92.1	92.1
GE 1800	24.7	84.5	87.3	88.5	90.2	90.5	91.0	91.4	91.7	91.9	92.1	92.1	92.3	92.4	92.5	92.6	92.6
GE 1500	24.7	85.7	89.6	89.9	91.6	91.9	92.5	92.9	93.2	93.4	93.6	93.6	93.8	93.9	94.0	94.1	94.1
GE 1200	24.8	86.5	89.6	90.9	92.8	93.1	93.7	94.1	94.4	94.7	94.9	94.9	95.1	95.2	95.3	95.4	95.4
GE 1000	24.8	86.9	90.0	91.4	93.4	93.7	94.4	94.8	95.1	95.4	95.6	95.6	95.8	95.9	96.0	96.1	96.1
GE 900	24.8	87.1	90.3	91.7	93.7	94.1	94.8	95.2	95.5	95.8	96.0	96.0	96.2	96.3	96.4	96.5	96.5
GE 800	24.8	87.1	90.3	91.9	94.7	94.4	95.1	95.5	95.8	96.1	96.3	96.3	96.5	96.6	96.7	96.8	96.8
GE 700	24.8	87.2	91.4	91.9	94.1	94.5	95.2	95.7	95.9	96.3	96.4	96.5	96.7	96.8	96.9	97.0	97.0
GE 600	24.8	87.2	91.5	92.0	94.2	94.6	95.3	95.8	96.1	96.4	96.6	96.6	96.7	96.9	97.0	97.1	97.2
GE 500	24.8	87.2	90.5	92.0	94.4	94.8	95.6	96.1	96.4	96.8	96.9	97.0	97.2	97.3	97.5	97.6	97.6
GE 400	24.8	87.3	91.6	92.1	94.6	95.1	95.9	96.5	96.9	97.3	97.5	97.6	97.8	97.9	98.1	98.4	98.4
GE 300	24.8	87.3	91.6	92.2	94.7	95.2	96.1	96.7	97.2	97.6	97.9	98.0	98.3	98.5	98.7	99.0	99.0
GE 200	24.8	87.3	91.6	92.2	94.8	95.2	96.1	96.8	97.4	97.8	98.2	98.2	98.5	98.7	99.0	99.5	99.5
GE 100	24.8	87.3	90.6	92.2	94.8	95.2	96.1	96.8	97.5	97.9	98.3	98.3	98.7	98.9	99.3	99.9	99.9
GE 0	24.8	87.3	90.6	92.2	94.8	95.2	96.1	96.8	97.5	97.9	98.3	98.3	98.7	98.9	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	4.8	46.3	47.2	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 20000	4.9	49.4	50.3	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 18000	4.9	49.7	50.6	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 16000	4.9	49.8	50.7	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	4.9	50.0	50.9	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 12000	4.9	51.4	52.3	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 10000	4.9	56.0	56.9	57.4	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 9000	4.9	57.4	58.3	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 8000	5.0	62.2	63.2	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 7000	5.3	65.1	66.1	66.7	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 6000	5.6	66.2	67.2	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 5000	5.8	71.7	72.8	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 4500	5.9	76.7	77.9	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4000	5.9	79.4	80.7	81.3	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3500	6.0	83.7	85.0	85.7	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3000	6.2	87.7	89.2	89.9	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2500	6.3	90.6	92.1	92.9	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2000	6.7	92.8	94.3	95.3	95.8	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	6.7	93.1	94.8	95.8	96.3	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1500	6.7	94.1	95.0	97.0	97.8	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	6.7	94.4	96.4	97.4	98.2	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	6.7	94.6	96.6	97.6	98.3	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	6.7	94.7	96.7	97.7	98.4	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	6.7	94.7	96.7	97.7	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	6.7	94.8	96.8	97.8	98.7	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	6.7	94.9	96.9	97.9	98.8	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	6.7	94.9	97.1	98.1	99.0	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	6.7	94.9	97.1	98.1	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	6.7	94.9	97.1	98.1	99.2	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	6.7	94.9	97.1	98.1	99.2	99.2	99.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	6.7	94.9	97.1	98.1	99.2	99.2	99.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 0	6.7	94.9	97.1	98.1	99.2	99.2	99.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	6.0	38.0	39.7	40.9	42.0	42.0	42.1	42.2	42.3	42.3	42.6	42.6	42.8	42.8	42.9	42.9
GE 20000	6.2	41.4	43.1	44.3	45.4	45.4	45.6	45.7	45.8	45.8	46.0	46.0	46.2	46.2	46.3	46.3
GE 18000	6.2	41.6	43.2	44.4	45.7	45.7	45.8	45.9	46.0	46.0	46.2	46.2	46.4	46.4	46.6	46.6
GE 16000	6.2	41.6	43.2	44.4	45.7	45.7	45.8	45.9	46.0	46.0	46.2	46.2	46.4	46.4	46.6	46.6
GE 14000	6.3	41.9	43.6	44.8	46.0	46.0	46.1	46.2	46.3	46.3	46.6	46.6	46.8	46.8	46.9	46.9
GE 12000	6.6	42.8	44.4	45.7	46.9	46.9	47.0	47.2	47.3	47.3	47.6	47.6	47.8	47.8	47.9	47.9
GE 10000	6.6	46.8	48.4	49.7	51.1	51.1	51.3	51.6	51.7	51.7	51.9	51.9	52.1	52.1	52.2	52.2
GE 9000	6.8	47.9	49.6	50.8	52.2	52.2	52.4	52.7	52.8	52.8	53.0	53.0	53.2	53.2	53.3	53.3
GE 8000	6.8	51.6	53.2	54.4	55.9	55.9	56.1	56.3	56.4	56.4	56.7	56.7	56.9	56.9	57.0	57.0
GE 7000	6.8	54.2	55.9	57.1	58.6	58.6	58.8	59.0	59.1	59.1	59.3	59.3	59.6	59.6	59.7	59.7
GE 6000	6.8	56.2	58.0	59.2	60.7	60.7	60.9	61.1	61.2	61.2	61.4	61.4	61.7	61.7	61.8	61.8
GE 5000	7.4	61.4	63.7	64.9	66.3	66.3	66.6	66.8	66.9	66.9	67.1	67.1	67.3	67.3	67.4	67.4
GE 4500	7.7	67.7	69.9	71.1	72.7	72.7	72.9	73.1	73.2	73.2	73.4	73.4	73.7	73.7	73.8	73.8
GE 4000	7.8	70.0	72.2	73.6	75.1	75.1	75.3	75.6	75.7	75.7	75.9	75.9	76.1	76.1	76.2	76.2
GE 3500	8.2	74.6	77.2	78.9	80.4	80.4	80.7	80.9	81.0	81.0	81.2	81.2	81.4	81.4	81.6	81.6
GE 3000	8.2	78.4	81.6	83.4	85.1	85.1	85.3	85.6	85.7	85.7	85.9	85.9	86.1	86.1	86.2	86.2
GE 2500	8.2	82.3	85.4	87.6	89.2	89.2	89.6	89.9	90.0	90.0	90.2	90.2	90.4	90.4	90.6	90.6
GE 2000	8.4	84.9	88.1	90.3	92.0	92.0	92.3	92.8	92.9	92.9	93.1	93.1	93.3	93.3	93.4	93.4
GE 1800	8.4	85.4	88.7	90.9	92.6	92.6	92.9	93.3	93.4	93.4	93.7	93.7	93.9	93.9	94.0	94.0
GE 1500	8.4	86.8	90.0	92.2	93.9	93.9	94.2	94.7	94.8	94.8	95.0	95.0	95.2	95.2	95.3	95.3
GE 1200	8.6	86.9	90.1	92.3	94.0	94.0	94.4	94.9	95.0	95.0	95.2	95.2	95.4	95.4	95.6	95.6
GE 1000	8.6	87.2	90.4	92.7	94.3	94.3	94.8	95.2	95.3	95.3	95.6	95.6	95.8	95.8	95.9	95.9
GE 900	8.6	87.3	90.6	92.8	94.4	94.4	94.9	95.3	95.4	95.4	95.7	95.7	95.9	95.9	96.0	96.0
GE 800	8.6	87.4	90.7	92.9	94.6	94.6	95.0	95.4	95.6	95.6	95.8	95.8	96.0	96.0	96.1	96.1
GE 700	8.6	87.7	90.9	93.2	94.9	94.9	95.4	95.9	96.0	96.0	96.2	96.4	96.4	96.7	96.7	96.8
GE 600	8.6	87.8	91.1	93.4	95.1	95.1	95.7	96.1	96.2	96.4	96.7	96.7	96.9	96.9	97.0	97.0
GE 500	8.6	87.9	91.3	93.9	95.7	95.7	96.2	96.7	96.8	97.0	97.2	97.2	97.4	97.4	97.6	97.6
GE 400	8.6	87.9	91.3	93.9	95.8	95.8	96.3	96.8	96.8	97.1	97.3	97.3	97.6	97.6	97.7	97.7
GE 300	8.6	88.1	91.7	94.2	96.2	96.2	96.8	97.3	97.4	97.7	97.9	97.9	98.1	98.1	98.4	98.4
GE 200	8.6	88.1	91.7	94.3	96.3	96.3	96.9	97.6	97.7	98.0	98.2	98.2	98.4	98.4	98.7	98.7
GE 100	8.6	88.1	91.7	94.3	96.6	96.6	97.1	97.8	97.9	98.2	98.4	98.6	98.9	98.9	99.2	99.2
GE 0	8.6	88.1	91.7	94.3	96.6	96.6	97.1	97.8	97.9	98.2	98.4	98.6	98.9	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.3	30.9	31.2	31.4	31.7	31.8	31.9	32.0	32.0	32.2	32.3	32.3	32.6	32.7	32.7	32.7
GE 20000	25.2	37.7	38.1	38.4	38.7	38.8	38.9	39.0	39.0	39.2	39.3	39.3	39.6	39.7	39.7	39.7
GE 18000	25.2	38.0	38.6	38.9	39.1	39.2	39.3	39.4	39.4	39.7	39.8	39.8	40.0	40.1	40.1	40.1
GE 16000	25.3	38.1	38.7	39.0	39.2	39.3	39.4	39.6	39.6	39.8	39.9	39.9	40.1	40.2	40.2	40.2
GE 14000	26.3	39.9	40.4	40.8	41.0	41.1	41.2	41.3	41.3	41.6	41.7	41.7	41.9	42.0	42.0	42.0
GE 12000	28.2	42.8	43.3	43.7	43.9	44.0	44.2	44.3	44.3	44.6	44.7	44.7	44.9	45.0	45.0	45.0
GE 10000	30.4	46.6	47.2	47.6	47.8	47.9	48.1	48.2	48.2	48.4	48.6	48.6	48.8	48.9	49.0	49.0
GE 9000	30.8	47.0	47.7	48.0	48.2	48.3	48.6	48.7	48.7	48.9	49.0	49.0	49.2	49.3	49.4	49.4
GE 8000	31.7	50.2	50.9	51.2	51.7	51.8	52.0	52.1	52.1	52.3	52.4	52.4	52.7	52.8	52.9	52.9
GE 7000	32.4	52.4	53.2	53.6	54.0	54.1	54.3	54.4	54.7	54.9	55.0	55.0	55.2	55.3	55.4	55.4
GE 6000	33.0	53.8	54.6	54.9	55.4	55.6	55.8	55.9	56.1	56.6	56.7	56.7	56.9	57.0	57.1	57.1
GE 5000	34.6	57.7	58.4	58.9	59.4	59.6	59.8	59.9	60.1	60.6	60.7	60.7	60.9	61.0	61.1	61.1
GE 4500	35.9	63.6	64.3	64.8	65.3	65.4	65.7	65.8	66.1	66.6	66.8	66.8	67.0	67.2	67.3	67.3
GE 4000	37.3	68.7	69.6	70.0	70.7	70.8	71.0	71.1	71.4	72.0	72.2	72.2	72.6	72.8	72.9	72.9
GE 3500	38.4	73.8	74.8	75.3	76.0	76.1	76.3	76.4	76.8	77.3	77.6	77.6	77.9	78.1	78.2	78.2
GE 3000	39.3	78.0	79.0	79.6	80.2	80.3	80.6	80.7	81.1	81.8	82.0	82.0	82.3	82.6	82.7	82.7
GE 2500	39.4	80.4	81.4	82.2	83.0	83.2	83.4	83.6	84.0	84.7	84.9	84.9	85.2	85.4	85.6	85.6
GE 2000	39.9	83.6	84.8	85.8	86.6	86.8	87.0	87.1	87.6	88.2	88.4	88.4	88.8	89.0	89.1	89.1
GE 1800	40.0	84.0	85.2	86.2	87.0	87.2	87.4	87.6	88.0	88.7	88.9	88.9	89.2	89.4	89.6	89.6
GE 1500	40.1	85.9	87.2	88.4	89.2	89.4	89.7	89.8	90.2	90.9	91.1	91.1	91.4	91.7	91.8	91.8
GE 1200	40.6	87.0	88.4	89.7	90.7	90.9	91.1	91.2	91.7	92.3	92.6	92.6	92.9	93.1	93.2	93.2
GE 1000	40.6	87.3	88.8	90.0	91.0	91.2	91.4	91.6	92.0	92.7	92.9	92.9	93.3	93.6	93.7	93.7
GE 900	40.6	87.6	89.1	90.3	91.4	91.7	91.9	92.0	92.4	93.1	93.3	93.3	93.8	94.0	94.1	94.1
GE 800	40.6	87.9	89.7	90.9	92.1	92.3	92.6	92.7	93.1	93.8	94.0	94.0	94.4	94.7	94.8	94.8
GE 700	40.6	88.1	90.1	91.4	92.8	93.0	93.2	93.3	93.8	94.4	94.7	94.7	95.1	95.3	95.4	95.4
GE 600	40.6	88.3	90.4	92.1	93.6	93.9	94.1	94.2	94.7	95.3	95.6	95.6	96.0	96.2	96.3	96.3
GE 500	40.6	88.4	90.6	92.2	93.8	94.3	94.8	94.9	95.3	96.0	96.2	96.2	96.7	96.9	97.0	97.0
GE 400	40.6	88.6	90.7	92.3	94.2	94.9	95.3	95.6	96.0	96.7	96.9	96.9	97.3	97.6	97.7	97.7
GE 300	40.6	88.6	90.8	92.4	94.3	95.0	95.4	95.9	96.4	97.2	97.4	97.4	97.9	98.1	98.2	98.2
GE 200	40.6	88.6	90.8	92.4	94.4	95.1	95.7	96.1	96.8	97.6	97.9	97.9	98.4	99.0	99.2	99.2
GE 100	40.6	88.6	90.8	92.4	94.4	95.1	95.7	96.1	96.8	97.6	97.9	97.9	98.4	99.1	99.6	99.9
GE 0	40.6	88.6	90.8	92.4	94.4	95.1	95.7	96.1	96.8	97.6	97.9	97.9	98.4	99.1	99.6	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 76-87
MONTH: APR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
GE 20000	29.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 18000	30.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 16000	30.6	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 14000	31.2	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 12000	33.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 10000	35.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 9000	35.3	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	46.2
GE 8000	36.4	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 7000	37.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 6000	37.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 5000	39.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 4500	40.4	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 4000	44.1	65.6	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 3500	47.1	73.4	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
GE 3000	50.1	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 2500	51.4	86.4	87.2	87.4	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 2000	52.6	89.3	90.2	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1800	52.9	90.2	91.1	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1500	53.1	92.2	93.2	93.6	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	53.1	93.6	94.9	95.3	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	53.2	94.4	95.8	96.2	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	53.3	95.0	96.3	96.8	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 800	53.3	95.4	97.1	97.6	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	53.3	95.4	97.2	97.7	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	53.3	95.7	97.4	97.9	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	53.3	95.8	97.6	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	53.3	95.8	97.6	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	53.3	95.8	97.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.3	95.8	97.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.3	95.8	97.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	53.3	95.8	97.7	98.4	99.2	99.7	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
GE 20000	31.0	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 18000	31.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 16000	32.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 14000	34.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 12000	36.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 10000	38.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 9000	39.1	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 8000	40.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 7000	40.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 6000	41.3	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 5000	45.0	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 4500	46.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 4000	48.3	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3500	52.8	78.8	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	79.1
GE 3000	56.8	88.3	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 2500	58.0	92.1	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 2000	59.6	95.8	97.0	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 1800	59.6	95.8	97.0	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 1500	59.7	96.7	97.9	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
GE 1200	59.7	97.1	98.4	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 1000	59.8	97.4	98.9	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
GE 900	59.9	97.7	99.1	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 800	59.9	97.7	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
GE 700	59.9	97.8	99.3	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
GE 600	59.9	97.8	99.3	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
GE 500	59.9	97.8	99.3	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
GE 400	59.9	97.8	99.3	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
GE 300	59.9	97.8	99.3	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
GE 200	59.9	97.8	99.3	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
GE 100	59.9	97.8	99.3	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
GE 0	59.9	97.8	99.3	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

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: APR HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.6	30.6	33.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 20000	37.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 18000	37.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 16000	37.8	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 14000	39.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 12000	51.1	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 10000	43.8	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 9000	44.4	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 8000	45.9	58.1	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 7000	47.3	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 6000	48.1	62.6	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 5000	50.2	67.5	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4500	52.3	71.7	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4000	54.5	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 3500	56.1	82.1	82.5	82.5	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 3000	58.2	89.5	90.2	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	59.1	93.1	94.0	94.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	60.2	95.8	96.7	96.9	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	60.2	96.2	97.2	97.4	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	60.4	97.3	98.3	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	60.4	97.8	98.9	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	60.4	97.9	99.0	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
GE 900	60.4	97.9	99.0	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
GE 800	60.4	97.9	99.0	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
GE 700	60.4	97.9	99.0	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
GE 600	60.4	97.9	99.0	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
GE 500	60.4	97.9	99.0	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
GE 400	60.4	97.9	99.0	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
GE 300	60.4	97.9	99.0	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
GE 200	60.4	97.9	99.0	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
GE 100	60.4	97.9	99.0	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
GE 0	60.4	97.9	99.0	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

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.3	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 20000	29.4	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 18000	29.4	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 16000	30.2	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 14000	31.1	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 12000	32.7	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 10000	34.7	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 9000	35.3	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 8000	36.0	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	36.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 6000	37.6	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 5000	39.0	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 4500	40.1	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 4000	41.2	80.7	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 3500	42.0	86.4	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 3000	42.6	91.2	92.3	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	42.6	93.8	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
GE 2000	42.7	95.5	97.3	97.4	97.4	97.4	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
GE 1800	42.9	96.0	97.8	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 1500	42.9	96.7	98.4	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 1200	42.9	96.8	98.7	98.8	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 1000	42.9	96.8	98.7	98.8	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 900	42.9	96.8	98.7	98.8	99.1	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 800	42.9	96.8	98.7	98.8	99.1	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 700	42.9	96.8	98.7	98.8	99.1	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 600	42.9	96.8	98.7	98.8	99.1	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	42.9	96.8	98.7	98.8	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	42.9	96.8	98.7	98.8	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	42.9	96.8	98.7	98.8	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	42.9	96.8	98.7	98.8	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	42.9	96.8	98.7	98.8	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	42.9	96.8	98.7	98.8	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: APR HOURS(15T): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	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	GE 0	
NO CEIL	11.3	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	
GE 20000	11.7	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	
GE 18000	11.7	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	
GE 16000	11.8	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	
GE 14000	11.8	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	
GE 12000	12.5	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 10000	12.8	59.9	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	
GE 9000	12.8	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
GE 8000	12.8	64.3	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	
GE 7000	13.0	68.5	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	
GE 6000	13.0	69.6	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
GE 5000	13.2	74.9	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
GE 4500	13.4	78.7	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	
GE 4000	14.2	82.4	82.8	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	
GE 3500	14.8	87.4	87.8	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	
GE 3000	14.8	91.4	92.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 2500	14.8	93.9	94.6	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
GE 2000	14.8	95.9	96.9	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 1800	14.8	96.3	97.3	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 1500	14.8	96.8	97.8	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 1200	14.8	96.9	97.9	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 1000	14.8	96.9	97.9	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 900	14.8	96.9	97.9	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 800	14.8	96.9	97.9	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 700	14.8	96.9	97.9	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 600	14.8	97.1	98.1	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 500	14.8	97.1	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 400	14.8	97.2	98.2	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 300	14.8	97.2	98.2	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 200	14.8	97.2	98.2	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	14.8	97.2	98.2	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	14.8	97.2	98.2	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	17.7	36.6	36.9	37.2	37.4	37.4	37.4	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6
GE 20000	21.8	43.5	43.9	44.2	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6
GE 18000	22.0	43.9	44.3	44.6	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0
GE 16000	22.4	44.4	44.8	45.1	45.3	45.3	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.6	45.6
GE 14000	23.2	45.8	45.2	46.5	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9
GE 12000	24.5	48.2	48.6	48.8	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3
GE 10000	25.9	52.2	52.6	52.9	53.1	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4
GE 9000	26.2	52.8	53.3	53.5	53.8	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.1
GE 8000	26.9	56.6	57.0	57.3	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9
GE 7000	27.4	59.1	59.6	59.9	60.2	60.2	60.2	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5
GE 6000	27.8	60.4	60.9	61.2	61.5	61.5	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8
GE 5000	29.3	65.4	66.0	66.3	66.6	66.6	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
GE 4500	30.2	69.8	70.5	70.8	71.1	71.1	71.2	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.5
GE 4000	31.7	74.0	74.7	75.1	75.5	75.5	75.5	75.6	75.6	75.7	75.8	75.8	75.8	75.9	75.9	75.9
GE 3500	33.2	80.0	81.0	81.3	81.7	81.7	81.8	81.8	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1
GE 3000	34.5	85.7	86.8	87.3	87.8	87.8	87.9	87.9	88.0	88.1	88.1	88.1	88.2	88.3	88.3	88.3
GE 2500	35.0	89.1	90.4	91.0	91.5	91.5	91.6	91.7	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0
GE 2000	35.6	91.7	93.2	93.9	94.5	94.5	94.7	94.7	94.8	94.9	95.0	95.0	95.0	95.1	95.1	95.1
GE 1800	35.7	92.1	93.6	94.4	95.0	95.1	95.2	95.2	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6
GE 1500	35.8	93.3	94.9	95.6	96.3	96.4	96.5	96.6	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9
GE 1200	35.8	93.8	95.5	96.3	97.0	97.0	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6
GE 1000	35.9	94.1	95.7	96.6	97.3	97.3	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0
GE 900	35.9	94.2	95.9	96.7	97.4	97.5	97.7	97.8	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2
GE 800	35.9	94.3	96.1	96.9	97.7	97.8	97.9	98.0	98.1	98.2	98.2	98.2	98.3	98.4	98.4	98.4
GE 700	35.9	94.4	96.2	97.1	97.9	97.9	98.1	98.2	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6
GE 600	35.9	94.5	96.4	97.3	98.1	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9
GE 500	35.9	94.6	96.5	97.4	98.3	98.4	98.7	98.8	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 400	35.9	94.6	96.5	97.5	98.4	98.6	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3
GE 300	35.9	94.6	96.6	97.5	98.5	98.7	98.9	99.0	99.2	99.3	99.3	99.3	99.4	99.5	99.5	99.5
GE 200	35.9	94.6	96.6	97.5	98.5	98.7	99.0	99.1	99.2	99.4	99.5	99.5	99.6	99.7	99.8	99.8
GE 100	35.9	94.6	96.6	97.5	98.5	98.7	99.0	99.1	99.3	99.4	99.5	99.5	99.7	99.8	99.9	99.9
GE 0	35.9	94.6	96.6	97.5	98.5	98.7	99.0	99.1	99.3	99.4	99.5	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7192

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AJR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	8.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 20000	8.8	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000	8.8	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 16000	8.8	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 14000	9.0	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 12000	9.0	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 10000	9.1	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 9000	9.4	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 8000	9.6	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 7000	9.7	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 6000	9.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 5000	10.1	70.9	71.0	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
GE 4500	10.2	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 4000	10.2	80.0	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
GE 3500	10.2	85.6	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
GE 3000	10.2	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	89.1	89.1
GE 2500	10.2	92.8	93.4	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 2000	10.2	94.3	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 1800	10.3	94.8	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
GE 1500	10.4	97.1	98.3	98.5	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 1200	10.4	97.5	98.8	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
GE 1000	10.4	97.6	98.9	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 900	10.4	97.6	98.9	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 800	10.4	97.8	99.1	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
GE 700	10.4	98.0	99.2	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	10.4	98.0	99.2	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	10.4	98.0	99.2	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	10.4	98.0	99.2	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	10.4	98.0	99.2	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	10.4	98.0	99.2	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	10.4	98.0	99.2	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	10.4	98.0	99.2	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: 250

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS/STATION: 0600-1800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 1/8
NO CEIL	22.6	29.1	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.6	29.6	29.6
GE 20000	26.9	34.3	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.6	34.7	34.7	34.8	34.8	34.8	34.8
GE 18000	26.8	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.7	34.8	34.8	34.8	34.9	34.9	34.9
GE 16000	26.8	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.7	34.8	34.8	34.8	34.9	34.9	34.9
GE 14000	27.3	35.2	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.5	35.6	35.6	35.7	35.7	35.7	35.7
GE 12000	28.9	38.4	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.7	38.8	38.8	38.9	38.9	38.9	38.9
GE 10000	50.3	41.4	41.6	41.6	41.7	41.8	41.8	41.8	41.8	41.9	42.0	42.0	42.1	42.1	42.1	42.1
GE 9000	30.8	42.6	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.6	42.7	42.7	42.8	42.8	42.8	42.8
GE 8000	33.8	47.5	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.1	48.2	48.2	48.3	48.3	48.3	48.3
GE 7000	34.2	49.0	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.8	49.9	49.9	50.0	50.0	50.0	50.0
GE 6000	35.7	50.8	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.5	51.6	51.6	51.7	51.7	51.7	51.7
GE 5000	38.0	55.9	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.7	56.8	56.8	56.9	56.9	56.9	56.9
GE 4500	39.9	61.2	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.1
GE 4000	42.7	68.2	69.5	69.7	69.9	69.9	69.9	69.9	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.2
GE 3500	44.7	73.0	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0
GE 3000	46.7	78.4	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.3
GE 2500	47.7	81.3	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2
GE 2000	49.1	86.7	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5
GE 1800	49.5	87.6	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4
GE 1500	50.1	91.1	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 1200	51.4	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5
GE 1000	50.9	92.1	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8
GE 900	51.9	92.6	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 800	51.9	93.1	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7
GE 700	50.9	93.4	93.8	93.8	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1
GE 600	50.4	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0
GE 500	51.9	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5
GE 400	50.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 300	50.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 200	50.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 100	50.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 0	50.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS: 21

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SEEING VIEW AT VARIOUS ALTITUDES
 FROM HOBBIT OBSERVATION

STATION NUMBER: 18270 STATION NAME: FT LEWIS/DAY AFB WA

PERIOD OF RECORD: 1951-1952
 MONTH: MAY

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	29.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
GE 20000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 18000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 16000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 14000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 12000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 10000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 9000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 8000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 7000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 6000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 5000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 4000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 3000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 2000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 1000	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 500	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 0	28.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0

TOTAL NUMBER OF OBSERVATIONS: 300

FEDERAL METEOROLOGICAL SERVICE
 U.S. DEPARTMENT OF COMMERCE
 OFFICE OF METEOROLOGICAL SERVICE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 72177 STATION NAME: FT. LEWIS GRAY, ARIZONA

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

CEILING FEET	VISIBILITY IN STATUTE MILES																
	GE 1/8	GE 1/4	GE 1/2	GE 3/4	GE 1	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 12	GE 15	
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	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: 732

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 20000	36.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 18000	36.5	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 16000	36.6	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 14000	37.7	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 12000	39.2	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 10000	41.7	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 9000	42.6	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 8000	44.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 7000	45.4	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 6000	46.0	61.4	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 5000	49.1	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4500	51.2	71.3	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
GE 4000	54.8	77.3	77.7	77.7	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3500	58.8	86.1	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 3000	60.5	91.4	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2500	61.5	94.8	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	61.6	96.6	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	61.6	96.8	97.6	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	61.6	97.4	98.4	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	61.6	97.5	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	61.6	97.6	98.6	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	61.6	97.6	98.6	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	61.6	97.6	98.6	99.1	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	61.6	97.6	98.6	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	61.6	97.6	98.6	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	61.6	97.6	98.6	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	61.6	97.6	98.6	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	61.6	97.6	98.6	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	61.6	97.6	98.6	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	61.6	97.6	98.6	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	61.6	97.6	98.6	99.2	99.7	99.8	99.9	99.9	99.9	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: 792070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	34.7	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 2000	39.4	50.9	53.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 1800	40.2	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 1600	40.3	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 1400	40.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 1200	41.4	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 1000	42.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 900	43.7	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 800	45.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 700	46.1	65.3	65.3	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 600	46.9	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 500	48.5	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 450	50.0	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 400	52.2	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 350	54.3	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 300	55.4	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1
GE 250	55.6	94.8	95.2	95.3	95.5	95.5	95.5	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 200	55.8	96.6	97.0	97.1	97.3	97.3	97.3	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 180	55.8	96.7	97.1	97.2	97.4	97.4	97.4	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 150	55.8	97.4	98.0	98.1	98.5	98.5	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 120	55.8	97.8	98.4	98.6	99.1	99.1	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	55.8	97.8	98.4	98.7	99.4	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 90	55.8	98.0	98.5	98.8	99.5	99.5	99.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 80	55.8	98.0	98.5	98.8	99.5	99.5	99.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 70	55.8	98.0	98.5	98.8	99.5	99.5	99.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 60	55.8	98.0	98.5	98.8	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 50	55.8	98.0	98.5	98.8	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 40	55.8	98.0	98.5	98.8	99.5	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 30	55.8	98.0	98.5	98.8	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	55.8	98.0	98.5	98.8	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	55.8	98.0	98.5	98.8	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 702070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 20000	17.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 18000	17.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 16000	17.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 14000	17.1	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 12000	17.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 10000	17.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 9000	17.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 8000	18.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 7000	19.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 6000	19.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	20.4	74.5	74.6	74.6	74.6	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 4500	21.2	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
GE 4000	22.2	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3500	22.4	88.7	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 3000	22.7	93.5	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	94.3	94.3
GE 2500	22.7	95.4	96.1	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	96.2
GE 2000	22.8	96.2	97.0	97.1	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
GE 1800	22.8	96.6	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	22.8	97.7	98.5	98.6	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	22.8	98.2	99.0	99.1	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
GE 1000	22.8	98.5	99.5	99.6	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
GE 900	22.8	98.6	99.6	99.7	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
GE 800	22.8	98.6	99.6	99.7	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
GE 700	22.8	98.6	99.6	99.7	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
GE 600	22.8	98.6	99.6	99.7	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
GE 500	22.8	98.6	99.6	99.7	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
GE 400	22.8	98.6	99.6	99.7	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
GE 300	22.8	98.6	99.6	99.7	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
GE 250	22.8	98.6	99.6	99.7	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
GE 100	22.8	98.6	99.6	99.7	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
GE 0	22.8	98.6	99.6	99.7	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

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77 WK
 MONTH: MAY HOURS: 0000-2300 ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3 2 1/2	GE 3	GE 2 1 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
NO CEIL	22.6	37.9	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 20000	25.5	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 18000	25.7	43.3	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 16000	25.8	43.4	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 14000	26.4	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 12000	27.3	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 10000	28.6	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 9000	29.0	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 8000	30.2	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 7000	30.9	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 6000	31.6	58.6	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 5000	33.3	63.4	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 4500	34.9	68.2	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4000	36.4	73.6	73.9	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
GE 3500	39.2	80.2	80.7	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 3000	41.1	86.1	86.7	87.0	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 2500	41.9	90.3	91.0	91.3	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	42.6	92.8	93.6	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
GE 1800	42.7	93.3	94.1	94.5	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1600	42.9	95.0	96.0	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1400	43.2	95.9	96.9	97.4	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	43.2	96.3	97.4	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	43.2	96.4	97.5	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	43.2	96.5	97.7	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	43.2	96.5	97.7	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	43.2	96.6	97.8	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	43.2	96.7	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	43.2	96.7	97.9	98.6	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	43.2	96.7	97.9	98.6	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	43.2	96.7	97.9	98.6	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	43.2	96.7	97.9	98.6	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	43.2	96.7	97.9	98.6	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 7440

NATIONAL METEOROLOGY BRANCH
WETLAND
AIR WEATHER SERVICE/MLC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 740771 STATION NAME: FT LEWIS GRAY AFB WA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(CEEST): J000 0200

CEILING	VISIBILITY IN STATUTE FEET															
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
350	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
450	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
650	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
750	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
850	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UNKN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.6	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.4	39.6
GE 20000	20.7	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.6
GE 18000	20.7	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.6
GE 16000	20.8	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.7
GE 14000	21.0	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	43.0
GE 12000	21.0	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.6
GE 10000	22.4	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.4
GE 9000	22.4	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4	46.6
GE 8000	23.2	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.1
GE 7000	23.3	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.9
GE 6000	23.7	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
GE 5000	25.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.1
GE 4500	26.9	64.0	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.8
GE 4000	27.8	68.6	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.4
GE 3500	29.2	73.9	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	75.0
GE 3000	29.7	79.6	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.1
GE 2500	29.7	82.8	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.4
GE 2000	30.1	88.1	89.1	89.3	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	90.0	90.1
GE 1800	30.2	89.3	90.3	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.2	91.3
GE 1600	30.6	91.0	92.0	92.2	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.0	93.1
GE 1200	30.6	92.8	93.8	94.0	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.9	95.0
GE 1000	30.6	94.0	95.1	95.3	95.8	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.4	96.6
GE 900	30.6	94.2	95.3	95.6	96.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.7	96.8
GE 800	30.6	94.6	95.4	96.1	96.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.4	97.6
GE 700	30.6	94.7	95.9	96.2	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.6	97.7
GE 600	30.6	95.0	96.3	96.7	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.9	97.9	98.0	98.2	98.3
GE 500	30.6	95.3	96.9	97.2	97.9	98.1	98.4	98.6	98.6	98.6	98.7	98.7	98.8	98.8	99.0	99.1
GE 400	30.6	95.7	97.3	97.7	98.1	98.7	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.7	99.8
GE 300	30.6	95.7	97.3	97.7	98.1	98.7	99.1	99.2	99.2	99.3	99.3	99.4	99.6	99.6	99.8	99.9
GE 200	30.6	95.7	97.3	97.7	98.1	98.7	99.1	99.2	99.2	99.3	99.3	99.6	99.6	99.7	99.9	100.0
GE 100	30.6	95.7	97.3	97.7	98.1	98.7	99.1	99.2	99.2	99.3	99.3	99.6	99.6	99.7	99.9	100.0
GE 0	30.6	95.7	97.3	97.7	98.1	98.7	99.1	99.2	99.2	99.3	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

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	27.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8
GE 20000	30.7	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 18000	30.7	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 16000	31.0	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 14000	31.4	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 12000	32.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 10000	33.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 9000	33.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 8000	34.4	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 7000	36.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 6000	36.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 5000	40.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4500	42.3	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 4000	45.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3500	47.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3000	49.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	50.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 2000	51.9	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1800	52.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1500	53.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200	53.0	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1000	53.1	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 900	53.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 800	53.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 700	53.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 600	53.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 500	53.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 400	53.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	53.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 200	53.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	53.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LOCAL): 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	28.9	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 20000	31.6	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	36.3
GE 18000	31.7	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 16000	31.7	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 14000	32.1	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 12000	33.2	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 10000	34.6	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 9000	34.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 8000	35.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 7000	36.6	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	46.2
GE 6000	37.3	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 5000	40.4	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	51.8
GE 4500	41.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 4000	46.0	61.4	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 3500	50.9	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3000	54.0	74.6	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 2500	57.2	81.0	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2000	59.8	87.9	88.6	88.8	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1800	60.0	88.6	89.2	89.4	89.7	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 1500	61.1	92.1	92.8	93.1	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1200	61.3	93.8	94.4	94.9	95.1	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000	61.6	94.7	95.4	96.0	96.4	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	61.7	95.3	95.3	97.0	97.4	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	61.7	95.6	96.6	97.3	97.8	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	61.7	95.8	96.9	97.8	98.2	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	61.7	95.9	97.0	97.9	98.3	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	61.7	95.9	97.0	97.9	98.3	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	61.7	95.9	97.0	97.9	98.3	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	61.7	95.9	97.0	97.9	98.3	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	61.7	95.9	97.0	97.9	98.3	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	61.7	95.9	97.0	97.9	98.3	98.9	99.6	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
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 792070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77 WA
MONTH: JUN HOURS COLLECTED: 17 1400

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	3/8	1/4	1/8
NO CEIL	30.4	33.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 20000	36.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 18000	37.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 16000	37.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 14000	37.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 12000	38.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 10000	40.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 9000	40.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 8000	42.6	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 7000	43.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 6000	44.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 5000	47.1	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 4500	49.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 4000	52.6	70.0	73.1	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 3500	59.1	79.9	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 3000	62.7	86.4	86.7	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500	64.6	91.1	91.3	91.6	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 2000	65.6	94.3	94.7	95.0	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1800	66.1	95.1	95.7	96.0	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1500	66.8	96.4	97.1	97.4	97.4	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	66.9	97.4	98.2	98.7	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	66.9	97.4	98.2	98.7	99.0	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	66.9	97.4	98.2	98.7	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	66.9	97.4	98.2	98.7	99.0	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	66.9	97.6	98.3	98.4	99.1	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	66.9	97.7	98.4	98.9	99.2	99.3	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	66.9	97.7	98.4	98.9	99.2	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	66.9	97.7	98.4	98.9	99.2	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	66.9	97.7	98.4	98.9	99.2	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	66.9	97.7	98.4	98.9	99.2	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	66.9	97.7	98.4	98.9	99.2	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	66.9	97.7	98.4	98.9	99.2	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

CLIMATE OF DENVER, COLO. 1921-1930
 ALL WEATHER SERVICE

STATION NUMBER 1001 STATE & NAME COLORADO DENVER

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
TEMPERATURE													
MEAN	32.1	35.2	41.5	48.2	55.8	62.4	68.1	71.5	70.2	63.8	55.1	48.4	54.2
MAX	48.2	52.1	58.4	65.1	72.5	78.2	81.4	82.1	81.5	75.2	65.1	58.4	65.1
MIN	16.1	18.4	24.8	31.5	38.2	44.1	48.4	51.2	50.1	44.1	34.2	28.1	34.2
RANGE	32.1	33.7	33.6	33.6	34.3	34.1	33.7	30.9	31.4	31.0	30.9	30.3	30.9
WINDY	12.1	11.2	10.4	9.5	8.6	7.7	6.8	6.9	7.0	7.1	6.2	5.3	6.9
CALM	8.1	7.2	6.3	5.4	4.5	3.6	2.7	2.8	2.9	3.0	2.1	1.2	2.8
RELATIVE HUMIDITY													
MEAN	78.1	75.2	72.3	69.4	66.5	63.6	60.7	57.8	54.9	52.0	49.1	46.2	63.6
MAX	85.2	82.3	79.4	76.5	73.6	70.7	67.8	64.9	62.0	59.1	56.2	53.3	70.7
MIN	71.0	68.1	65.2	62.3	59.4	56.5	53.6	50.7	47.8	44.9	42.0	39.1	56.5
RANGE	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
WINDY	15.1	14.2	13.3	12.4	11.5	10.6	9.7	8.8	8.9	9.0	8.1	7.2	8.9
CALM	5.1	4.2	3.3	2.4	1.5	0.6	0.7	0.8	0.9	1.0	0.1	0.2	0.8
PRECIPITATION													
MEAN	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	0.6
MAX	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	1.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RANGE	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	1.7
WINDY	10.1	9.2	8.3	7.4	6.5	5.6	4.7	3.8	2.9	2.0	1.1	0.2	5.6
CALM	5.1	4.2	3.3	2.4	1.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	4.4
WIND VELOCITY													
MEAN	8.1	7.2	6.3	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0	0.0	4.5
MAX	12.1	11.2	10.3	9.4	8.5	7.6	6.7	5.8	4.9	4.0	3.1	2.2	8.5
MIN	4.1	3.2	2.3	1.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	0.5
RANGE	8.0	8.0	8.0	8.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	8.0
WINDY	15.1	14.2	13.3	12.4	11.5	10.6	9.7	8.8	7.9	7.0	6.1	5.2	10.6
CALM	5.1	4.2	3.3	2.4	1.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	4.4
WIND DIRECTION													
MEAN	10.1	9.2	8.3	7.4	6.5	5.6	4.7	3.8	2.9	2.0	1.1	0.2	5.6
MAX	15.1	14.2	13.3	12.4	11.5	10.6	9.7	8.8	7.9	7.0	6.1	5.2	10.6
MIN	5.1	4.2	3.3	2.4	1.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	0.6
RANGE	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	10.0
WINDY	15.1	14.2	13.3	12.4	11.5	10.6	9.7	8.8	7.9	7.0	6.1	5.2	10.6
CALM	5.1	4.2	3.3	2.4	1.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	4.4

TOTAL NUMBER OF OBSERVATIONS 200

WIND SPEED AND DIRECTION
 WIND VELOCITY
 WIND DIRECTION

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NAME: F. LEWIS/GRAY AAF GA

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

CEILING	VISIBILITY IN STATUTE MILES																	
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
1	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
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	90.0	90.0	90.0	90.0
95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
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
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
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
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
100.0	100.0	100.0	100.0	100.0	100.0	100.0	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

AD-A183 913

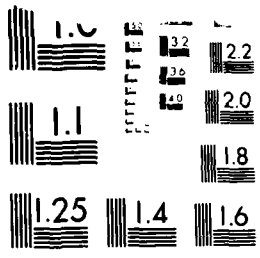
FT LEWIS, GRAY WASHINGTON REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB 27 JUL 87
USAFETAC/DS-87/051 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
1963-A

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.8	54.2	54.3	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 20000	22.7	57.2	57.3	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 18000	22.7	57.6	57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 16000	22.7	57.6	57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 14000	22.9	58.6	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	23.1	59.4	59.6	59.7	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 10000	23.2	60.7	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 9000	23.2	61.0	61.1	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	23.8	64.7	64.8	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 7000	24.9	68.9	69.0	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 6000	24.9	69.9	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000	25.8	75.8	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4500	27.1	82.6	82.8	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4000	27.6	85.2	85.6	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3500	27.8	89.4	89.8	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3000	27.9	92.8	93.2	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2500	28.0	94.6	95.1	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2000	28.0	95.0	95.7	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	28.0	95.4	95.1	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	28.0	96.6	97.3	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	28.0	96.8	97.7	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	28.0	96.8	97.7	98.0	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	28.0	96.9	97.8	98.1	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	28.0	96.9	97.9	98.2	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	28.0	96.9	98.0	98.3	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	28.0	96.9	98.2	98.6	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	28.0	96.9	98.2	98.6	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	28.0	96.9	98.2	98.6	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	28.0	96.9	98.2	98.6	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	28.0	96.9	98.2	98.6	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	28.0	96.9	98.2	98.6	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	28.0	96.9	98.2	98.6	99.3	99.4	99.6	99.8	99.8	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	26.9	42.8	42.9	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.1	43.1	43.1
GE 20000	30.0	47.5	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8
GE 18000	30.1	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 16000	30.2	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 14000	30.7	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9
GE 12000	31.3	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.1	50.1
GE 10000	32.5	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
GE 9000	32.8	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 8000	33.9	55.5	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8
GE 7000	35.0	57.7	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0
GE 6000	35.5	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	38.0	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4
GE 4500	39.3	69.3	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4000	41.6	74.4	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 3500	44.2	80.3	80.6	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 3000	45.7	84.9	85.3	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2500	46.5	88.4	89.9	89.1	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6
GE 2000	47.3	91.7	92.3	92.5	92.8	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2
GE 1800	47.5	92.4	93.1	93.3	93.7	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0
GE 1500	47.8	94.2	95.0	95.2	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0
GE 1200	47.9	95.1	95.9	96.2	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
GE 1000	47.9	95.6	96.5	96.8	97.4	97.5	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
GE 900	47.9	95.8	96.7	97.1	97.6	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	47.9	95.9	96.9	97.3	98.0	98.1	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	47.9	96.0	97.0	97.5	98.1	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
GE 600	48.0	96.1	97.2	97.7	98.4	98.6	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
GE 500	48.0	96.2	97.3	97.8	98.5	98.7	99.0	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
GE 400	48.0	96.2	97.4	97.9	98.6	98.8	99.2	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 300	48.0	96.2	97.4	97.9	98.7	98.9	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 200	48.0	96.2	97.4	97.9	98.7	98.9	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0
GE 100	48.0	96.2	97.4	97.9	98.7	98.9	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0
GE 0	48.0	96.2	97.4	97.9	98.7	98.9	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9	100.0	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.8	60.4	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 20000	15.9	61.9	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 18000	15.9	62.2	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 16000	16.0	62.3	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 14000	16.1	62.8	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 12000	16.1	63.5	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	16.2	65.3	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 9000	16.5	65.8	66.2	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 8000	16.6	68.8	69.2	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 7000	16.6	70.5	71.0	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
GE 6000	16.6	71.4	71.8	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 5000	16.8	74.5	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4500	17.3	79.6	80.1	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 4000	17.5	83.1	83.7	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 3500	17.7	86.1	86.8	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 3000	17.8	88.7	89.4	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 2500	17.8	91.2	91.8	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	17.8	92.3	92.9	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	17.8	92.8	93.4	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1500	17.8	94.5	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	17.8	96.1	96.9	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	18.0	97.5	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	18.0	97.8	98.6	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	18.0	97.8	98.6	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	18.0	98.2	98.9	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	18.0	98.4	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	18.0	98.4	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	18.0	98.4	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	18.0	98.4	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	18.0	98.4	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	18.0	98.4	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	18.0	98.4	99.1	99.5	99.8	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

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.9	49.6	50.4	50.5	50.8	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1
GE 20000	26.1	51.0	51.9	52.0	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6
GE 18000	26.3	51.3	52.3	52.4	52.6	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9
GE 16000	26.8	51.7	52.7	52.8	53.0	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3
GE 14000	26.9	52.3	53.2	53.3	53.5	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9
GE 12000	27.2	53.1	54.1	54.2	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7
GE 10000	27.8	55.2	56.2	56.3	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9
GE 9000	27.8	55.5	56.6	56.7	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2
GE 8000	28.4	57.7	58.8	58.9	59.1	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5
GE 7000	28.7	58.8	59.9	60.0	60.2	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5
GE 6000	28.9	59.5	60.5	60.6	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
GE 5000	30.1	62.7	63.8	63.9	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4
GE 4500	32.0	67.5	68.6	68.7	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4
GE 4000	32.5	72.3	73.3	73.4	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1
GE 3500	33.2	74.6	75.8	75.9	76.2	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6
GE 3000	33.8	76.8	78.0	78.1	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8
GE 2500	34.2	79.5	80.6	80.8	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5
GE 2000	34.3	82.2	83.3	83.4	83.8	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3
GE 1800	34.3	83.5	84.7	84.8	85.2	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7
GE 1500	34.6	87.2	88.4	88.5	88.8	88.8	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4
GE 1200	34.6	89.0	90.2	90.4	90.8	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3
GE 1000	34.7	90.3	91.6	91.9	92.3	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8
GE 900	34.8	90.6	91.9	92.3	92.6	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
GE 800	34.9	91.2	92.5	92.8	93.1	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7
GE 700	34.9	92.5	93.8	94.1	94.5	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.1
GE 600	34.9	93.7	95.2	95.5	96.2	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
GE 500	34.9	94.2	96.1	96.5	97.2	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7
GE 400	34.9	94.4	96.6	96.9	97.6	97.6	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5
GE 300	34.9	94.6	96.8	97.1	97.8	97.8	98.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.2
GE 200	34.9	94.6	96.8	97.1	97.8	97.8	98.3	98.7	99.0	99.1	99.4	99.4	99.4	99.5	99.6	99.7
GE 100	34.9	94.6	96.8	97.1	97.8	97.8	98.3	98.7	99.0	99.1	99.4	99.4	99.4	99.5	99.7	100.0
GE 0	34.9	94.6	96.8	97.1	97.8	97.8	98.3	98.7	99.0	99.1	99.4	99.4	99.4	99.5	99.7	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.6	38.2	38.5	38.5	38.5	38.5	38.5	38.7	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9
GE 20000	34.7	41.0	41.3	41.3	41.3	41.3	41.3	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7
GE 18000	34.8	41.1	41.4	41.4	41.4	41.4	41.4	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8
GE 16000	35.2	41.4	41.7	41.7	41.7	41.7	41.7	41.9	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2
GE 14000	35.6	41.9	42.3	42.3	42.3	42.3	42.3	42.5	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7
GE 12000	36.6	43.2	43.5	43.5	43.5	43.5	43.5	43.8	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0
GE 10000	38.8	45.7	46.0	46.0	46.0	46.0	46.0	46.2	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5
GE 9000	39.0	45.9	46.2	46.2	46.2	46.2	46.2	46.5	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7
GE 8000	40.0	48.1	48.4	48.4	48.4	48.4	48.4	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8
GE 7000	40.8	49.7	50.0	50.0	50.0	50.0	50.0	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4
GE 6000	41.5	50.4	50.8	50.8	50.8	50.8	50.8	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2
GE 5000	44.6	54.6	54.9	54.9	54.9	54.9	54.9	55.3	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5
GE 4500	46.7	58.6	58.9	58.9	58.9	59.0	59.0	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6
GE 4000	49.1	63.2	63.5	63.5	63.5	63.7	63.7	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
GE 3500	50.6	65.4	65.7	65.7	65.7	65.8	65.8	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
GE 3000	51.4	67.7	68.2	68.3	68.4	68.4	68.4	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
GE 2500	52.6	70.1	70.6	70.8	70.9	70.9	70.9	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
GE 2000	54.0	73.7	74.4	74.6	74.7	74.7	74.7	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3
GE 1800	54.6	74.8	75.6	75.8	75.9	75.9	76.2	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5
GE 1500	55.4	79.5	80.2	80.4	80.6	80.6	80.6	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3
GE 1200	55.8	82.4	83.2	83.4	83.8	83.8	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4
GE 1000	55.9	85.3	86.2	86.5	87.0	87.0	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
GE 900	56.2	86.9	88.0	88.2	88.7	88.7	89.1	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 800	56.3	87.8	89.1	89.4	90.0	90.0	90.4	90.5	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8
GE 700	56.6	89.5	90.9	91.2	91.8	91.8	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 600	56.6	90.0	91.4	91.7	92.7	93.1	93.7	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 500	56.6	90.0	91.7	92.2	93.1	93.8	94.5	94.7	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.5
GE 400	56.6	90.0	91.8	92.4	93.5	94.3	95.3	95.9	96.2	96.5	96.6	96.6	96.6	96.7	96.7	96.8	97.0
GE 300	56.6	90.0	91.8	92.4	93.7	94.4	95.4	96.0	96.6	97.2	97.5	97.5	97.5	98.0	98.0	98.1	98.4
GE 200	56.6	90.0	91.8	92.4	93.8	94.5	95.5	96.2	96.8	97.6	98.5	98.6	98.6	99.0	99.4	99.5	99.8
GE 100	56.6	90.0	91.8	92.4	93.8	94.5	95.5	96.2	96.8	97.6	98.5	98.6	99.1	99.5	99.7	100.0	100.0
GE 0	56.6	90.0	91.8	92.4	93.8	94.5	95.5	96.2	96.8	97.6	98.5	98.6	99.1	99.5	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
MONTH: JUL 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	37.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	
GE 20000	40.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	
GE 18000	41.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
GE 16000	41.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	
GE 14000	42.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
GE 12000	43.2	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	
GE 10000	44.2	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	
GE 9000	44.3	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	
GE 8000	45.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	
GE 7000	46.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
GE 6000	47.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
GE 5000	49.2	57.4	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
GE 4500	51.2	60.6	60.9	61.0	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 4000	52.9	63.4	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 3500	54.5	66.1	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 3000	57.4	71.5	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	
GE 2500	59.1	76.3	77.0	77.2	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 2000	61.8	81.5	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
GE 1800	62.4	83.3	84.3	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	
GE 1500	64.1	88.2	89.4	89.6	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 1200	65.1	91.7	93.1	93.3	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 1000	65.5	93.7	95.3	95.5	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	
GE 900	65.6	94.4	96.3	96.7	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE 800	65.6	94.5	96.8	97.3	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 700	65.6	94.7	97.0	97.5	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 600	65.6	94.7	97.1	97.6	98.9	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 500	65.6	94.9	97.3	98.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 400	65.6	94.9	97.3	98.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 300	65.6	94.9	97.3	98.1	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	65.6	94.9	97.3	98.1	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	65.6	94.9	97.3	98.1	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	65.6	94.9	97.3	98.1	99.4	99.5	99.9	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/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.5	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 20000	47.6	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 18000	47.8	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 16000	48.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 14000	48.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	50.9	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	57.7
GE 10000	51.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 9000	52.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 8000	53.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 7000	54.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 6000	55.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 5000	58.3	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 4500	60.1	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000	62.0	74.8	74.8	74.9	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500	64.0	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 3000	66.0	85.4	85.4	85.5	85.6	85.6	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2500	69.6	92.9	92.9	93.0	93.1	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	71.1	96.3	96.3	96.5	96.6	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	71.2	96.9	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1500	71.6	98.1	98.2	98.4	98.5	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	71.7	99.0	99.1	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	71.7	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	71.7	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	71.7	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	71.7	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	71.7	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	71.7	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	71.7	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	71.7	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.7	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.7	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	71.7	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 20000	54.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 18000	54.7	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 16000	54.9	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	56.2	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 12000	57.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 10000	58.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 9000	59.0	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	67.0
GE 8000	61.3	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	71.1
GE 7000	62.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 6000	62.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 5000	65.2	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4500	67.5	80.5	80.5	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4000	69.7	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	72.4	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 3000	74.2	94.4	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2500	75.6	96.8	96.9	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
GE 2000	75.7	98.1	98.2	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	75.7	98.1	98.2	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	75.7	98.6	98.7	98.8	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	75.7	98.9	99.0	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	75.7	98.9	99.0	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	75.7	98.9	99.0	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	75.7	98.9	99.0	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	75.7	98.9	99.0	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	75.7	98.9	99.0	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	75.7	98.9	99.0	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	75.7	98.9	99.0	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	75.7	98.9	99.0	99.1	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.7	98.9	99.0	99.1	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.7	98.9	99.0	99.1	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	75.7	98.9	99.0	99.1	99.5	99.5	99.8	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	53.4	60.9	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 20000	57.4	66.1	66.1	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 18000	57.6	66.6	66.6	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 16000	58.6	67.5	67.5	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 14000	60.1	69.1	69.2	69.2	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 12000	61.2	70.3	70.4	70.4	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 10000	62.5	72.5	72.6	72.6	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 9000	62.7	72.9	73.0	73.0	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 8000	64.2	75.6	75.7	75.7	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 7000	65.3	77.1	77.2	77.2	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 6000	66.2	78.7	78.9	78.9	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 5000	66.8	81.7	81.9	81.9	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 4500	68.3	85.6	85.8	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 4000	70.1	88.4	88.6	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3500	72.4	92.4	92.6	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	73.1	95.4	95.6	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	73.3	96.3	96.6	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2000	73.3	97.5	97.7	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	73.3	97.8	98.1	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	73.3	98.5	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	73.4	98.6	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	73.7	98.8	99.1	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
GE 900	73.7	98.8	99.1	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
GE 800	73.7	98.8	99.1	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
GE 700	73.7	98.8	99.1	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
GE 600	73.7	98.8	99.1	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
GE 500	73.7	98.8	99.1	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 400	73.7	98.8	99.1	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	73.7	98.8	99.1	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
GE 200	73.7	98.8	99.1	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
GE 100	73.7	98.8	99.1	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
GE 0	73.7	98.8	99.1	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

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.6	65.5	65.6	65.7	65.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.3
GE 20000	29.5	67.6	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 18000	29.5	68.0	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	30.2	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 14000	30.4	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	30.5	70.8	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 10000	30.9	72.4	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 9000	31.3	72.9	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 8000	31.8	75.7	75.8	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
GE 7000	32.0	78.2	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 6000	32.3	79.2	79.4	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
GE 5000	32.8	81.9	82.0	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
GE 4500	34.1	86.7	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
GE 4000	34.5	88.8	89.0	89.4	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 3500	34.7	91.2	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3000	35.5	93.9	94.1	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
GE 2500	35.7	95.5	95.7	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
GE 2000	35.7	96.1	96.5	96.8	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 1800	35.7	96.6	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	35.7	97.3	97.6	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
GE 1200	35.7	98.1	98.4	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 1000	35.8	98.6	98.9	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
GE 900	35.9	98.7	99.0	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
GE 800	35.9	98.7	99.0	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
GE 700	35.9	98.7	99.0	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
GE 600	35.9	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	35.9	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	35.9	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	35.9	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	35.9	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	35.9	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	35.9	98.7	99.0	99.6	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	35.9	52.6	52.8	52.9	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 20000	38.3	56.1	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 18000	38.5	56.5	56.7	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 16000	38.9	56.9	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 14000	39.5	57.8	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 12000	40.4	59.0	59.3	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 10000	41.3	60.7	61.0	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 9000	41.6	61.2	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	42.7	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
GE 7000	43.3	65.2	65.5	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 6000	43.8	66.3	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 5000	45.5	69.6	69.9	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4500	47.2	73.7	74.1	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
GE 4000	48.5	77.3	77.6	77.7	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3500	49.9	80.6	80.9	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
GE 3000	51.2	84.2	84.6	84.8	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 2500	52.2	87.3	87.8	87.9	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2000	53.0	89.7	90.2	90.4	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1800	53.1	90.5	91.0	91.2	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1500	53.5	92.7	93.3	93.5	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	53.7	94.2	94.9	95.1	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	53.9	95.3	96.0	96.2	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	54.0	95.7	96.4	96.7	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	54.0	95.9	96.7	97.0	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	54.0	96.3	97.2	97.5	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	54.0	96.6	97.4	97.7	98.7	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	54.0	96.7	97.6	98.0	98.5	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 400	54.0	96.7	97.7	98.1	98.6	98.7	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
GE 300	54.0	96.7	97.7	98.1	98.7	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7
GE 200	54.0	96.7	97.7	98.1	98.7	98.8	99.2	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9
GE 100	54.0	96.7	97.7	98.1	98.7	98.8	99.2	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	100.0
GE 0	54.0	96.7	97.7	98.1	98.7	98.8	99.2	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	8.1	62.5	62.6	62.9	63.2	63.3	63.3	63.3	63.3	63.4	63.7	63.7	63.8	63.8	63.8	63.8
GE 20000	8.1	64.1	64.2	64.5	64.8	64.9	64.9	64.9	64.9	65.1	65.3	65.3	65.4	65.4	65.4	65.4
GE 18000	8.4	64.5	64.6	64.9	65.3	65.4	65.4	65.4	65.4	65.5	65.7	65.7	65.8	65.8	65.8	65.8
GE 16000	8.4	64.5	64.6	64.9	65.3	65.4	65.4	65.4	65.4	65.5	65.7	65.7	65.8	65.8	65.8	65.8
GE 14000	8.4	65.5	65.6	65.9	66.2	66.3	66.3	66.3	66.3	66.5	66.7	66.7	66.8	66.8	66.8	66.8
GE 12000	8.4	66.7	66.8	67.1	67.4	67.5	67.5	67.5	67.5	67.6	67.8	67.8	68.0	68.0	68.0	68.0
GE 10000	8.5	68.4	68.5	68.8	69.1	69.2	69.2	69.2	69.2	69.4	69.6	69.6	69.7	69.7	69.7	69.8
GE 9000	8.5	69.2	69.4	69.8	70.1	70.2	70.2	70.2	70.2	70.3	70.5	70.5	70.6	70.6	70.6	70.8
GE 8000	8.8	71.2	71.3	71.7	72.0	72.2	72.2	72.2	72.2	72.3	72.5	72.5	72.6	72.6	72.6	72.7
GE 7000	8.8	73.0	73.1	73.5	73.9	74.0	74.0	74.0	74.0	74.1	74.3	74.3	74.4	74.4	74.4	74.5
GE 6000	8.9	73.9	74.0	74.4	74.7	74.8	74.8	74.8	74.8	74.9	75.2	75.2	75.3	75.3	75.3	75.4
GE 5000	9.1	78.5	78.6	79.0	79.4	79.5	79.5	79.5	79.5	79.6	79.8	79.8	79.9	79.9	79.9	80.0
GE 4500	9.5	81.1	81.2	81.6	81.9	82.0	82.0	82.0	82.0	82.2	82.4	82.4	82.5	82.5	82.5	82.6
GE 4000	9.5	83.5	83.7	84.2	84.5	84.6	84.6	84.6	84.6	84.7	84.9	84.9	85.1	85.1	85.1	85.2
GE 3500	9.5	85.7	85.8	86.3	86.7	86.8	86.8	86.8	86.8	86.9	87.1	87.1	87.2	87.2	87.2	87.3
GE 3000	9.6	87.4	87.5	88.1	88.5	88.6	88.6	88.6	88.6	88.7	88.9	88.9	89.0	89.0	89.0	89.1
GE 2500	9.6	91.0	91.2	91.8	92.3	92.5	92.5	92.5	92.5	92.6	92.8	92.8	92.9	92.9	92.9	93.0
GE 2000	9.8	92.6	93.2	93.9	94.3	94.7	94.7	94.7	94.7	94.8	95.1	95.1	95.2	95.2	95.2	95.3
GE 1800	10.1	93.1	93.8	94.4	94.8	95.3	95.3	95.3	95.3	95.4	95.6	95.6	95.7	95.7	95.7	95.8
GE 1500	10.5	93.7	94.3	94.9	95.6	96.0	96.0	96.0	96.0	96.1	96.3	96.3	96.5	96.5	96.5	96.6
GE 1200	10.9	95.1	95.7	96.3	97.0	97.4	97.4	97.4	97.4	97.5	97.7	97.7	97.8	97.8	97.8	98.0
GE 1000	10.9	95.4	96.3	97.0	97.6	98.1	98.1	98.1	98.1	98.2	98.4	98.4	98.5	98.5	98.5	98.6
GE 900	10.9	95.4	96.3	97.0	97.6	98.1	98.1	98.1	98.1	98.2	98.4	98.4	98.5	98.5	98.5	98.6
GE 800	10.9	95.5	96.5	97.1	97.7	98.2	98.2	98.2	98.2	98.3	98.5	98.5	98.6	98.6	98.6	98.7
GE 700	10.9	95.7	96.8	97.4	98.1	98.5	98.5	98.5	98.5	98.6	98.8	98.8	98.9	98.9	98.9	99.0
GE 600	10.9	95.8	97.0	97.6	98.3	98.7	98.7	98.7	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.2
GE 500	10.9	95.9	97.1	97.7	98.4	98.8	98.8	98.8	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.4
GE 400	10.9	96.0	97.2	97.8	98.5	98.9	98.9	98.9	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.5
GE 300	10.9	96.0	97.2	97.8	98.5	98.9	98.9	98.9	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.5
GE 200	10.9	96.0	97.2	97.8	98.5	98.9	98.9	98.9	98.9	99.0	99.2	99.2	99.3	99.3	99.3	100.0
GE 100	10.9	96.0	97.2	97.8	98.5	98.9	98.9	98.9	98.9	99.0	99.2	99.2	99.3	99.3	99.3	100.0
GE 0	10.9	96.0	97.2	97.8	98.5	98.9	98.9	98.9	98.9	99.0	99.2	99.2	99.3	99.3	99.3	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: 742070 STATION NAME: FT. LEWIS/GRAY AAF WA

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

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	12.6	50.6	51.5	52.0	52.9	53.1	53.5	53.5	53.7	53.9	53.9	53.9	53.9	53.9	54.2	54.2	
GE 20000	12.7	51.7	52.7	53.2	54.1	54.3	54.7	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.4	55.4	
GE 18000	12.8	51.8	52.8	53.3	54.2	54.4	54.8	54.8	54.9	55.2	55.2	55.2	55.2	55.2	55.5	55.5	
GE 16000	12.8	51.8	52.8	53.3	54.2	54.4	54.8	54.8	54.9	55.2	55.2	55.2	55.2	55.2	55.5	55.5	
GE 14000	12.8	52.3	53.2	53.8	54.6	54.8	55.3	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.9	55.9	
GE 12000	12.8	53.0	54.0	54.5	55.4	55.6	56.0	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.7	56.7	
GE 10000	12.9	55.4	56.3	56.9	57.7	58.0	58.4	58.4	58.5	58.7	58.7	58.7	58.7	58.7	59.0	59.0	
GE 9000	13.0	55.6	56.8	57.3	58.2	58.4	58.8	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.5	59.5	
GE 8000	13.1	57.2	58.4	58.9	59.8	60.0	60.4	60.4	60.5	60.8	60.8	60.8	60.8	60.8	61.1	61.1	
GE 7000	13.2	58.8	60.0	60.6	61.5	61.7	62.2	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.8	62.8	
GE 6000	13.3	59.6	61.0	61.6	62.5	62.7	63.2	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.9	63.9	
GE 5000	14.3	64.7	66.0	66.7	67.5	67.7	68.3	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.9	68.9	
GE 4500	14.7	68.2	69.5	70.1	71.1	71.3	71.8	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.5	72.5	
GE 4000	14.9	70.2	71.6	72.3	73.3	73.5	74.2	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.8	74.8	
GE 3500	15.2	72.9	74.4	75.1	76.2	76.5	77.1	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.7	77.7	
GE 3000	15.2	74.7	76.2	76.9	78.1	78.3	78.9	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.6	79.6	
GE 2500	15.8	79.1	80.9	81.5	82.7	82.9	83.7	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.3	84.3	
GE 2000	16.2	82.4	84.3	85.3	86.5	86.7	87.4	87.4	87.5	87.7	87.7	87.7	87.7	87.7	88.1	88.1	
GE 1800	16.6	82.9	84.8	85.8	87.0	87.2	88.0	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.6	88.6	
GE 1500	16.9	84.7	86.8	87.7	88.9	89.1	89.9	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.5	90.5	
GE 1200	17.0	86.1	88.2	89.1	90.3	90.5	91.3	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.9	91.9	
GE 1000	17.0	86.6	88.8	89.8	91.0	91.2	91.9	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.6	92.6	
GE 900	17.0	87.2	89.5	90.4	91.6	91.8	92.6	92.6	92.7	92.9	92.9	92.9	92.9	92.9	93.2	93.2	
GE 800	17.0	87.7	90.1	91.1	92.3	92.5	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.9	93.9	
GE 700	17.0	87.8	90.2	91.3	92.5	92.7	93.4	93.4	93.5	93.8	93.8	93.8	93.8	93.8	94.1	94.1	
GE 600	17.0	88.3	90.4	91.7	92.9	93.1	93.9	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.5	94.5	
GE 500	17.0	89.0	91.5	92.9	94.1	94.3	95.1	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.7	95.7	
GE 400	17.0	89.4	91.9	93.3	94.7	94.9	95.7	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.5	96.5	
GE 300	17.0	89.5	92.0	93.4	95.1	95.3	96.1	96.5	96.7	97.1	97.1	97.2	97.2	97.3	97.6	97.7	
GE 200	17.0	89.5	92.0	93.4	95.1	95.3	96.1	96.5	96.8	97.2	97.2	97.3	97.6	97.7	98.4	98.6	
GE 100	17.0	89.5	92.0	93.4	95.1	95.3	96.1	96.6	97.0	97.5	97.5	97.6	98.3	98.4	99.5	99.9	
GE 0	17.0	89.5	92.0	93.4	95.1	95.3	96.1	96.6	97.0	97.5	97.5	97.6	98.3	98.4	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	27.0	37.8	38.9	39.1	39.6	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.1	40.3	40.4	40.4
GE 20000	29.0	40.0	41.2	41.4	41.8	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4	42.6	42.7	42.7
GE 18000	29.1	40.1	41.3	41.5	41.9	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.5	42.7	42.8	42.8
GE 16000	29.1	40.1	41.3	41.5	41.9	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.5	42.7	42.8	42.8
GE 14000	30.5	42.5	43.7	43.9	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.8	45.1	45.2	45.2
GE 12000	30.6	43.0	44.2	44.4	44.8	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.4	45.6	45.7	45.7
GE 10000	31.5	44.2	45.4	45.6	46.0	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.6	46.8	46.9	46.9
GE 9000	31.8	44.6	45.9	46.1	46.6	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.1	47.3	47.4	47.4
GE 8000	32.7	46.6	47.8	48.1	48.6	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	49.4	49.5	49.5
GE 7000	33.0	47.6	48.9	49.1	49.7	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.2	50.4	50.5	50.5
GE 6000	33.3	48.5	49.8	50.0	50.5	50.6	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.2	51.4	51.5	51.5
GE 5000	35.6	52.2	53.7	53.9	54.5	54.6	54.8	54.8	54.8	54.9	54.9	54.9	54.9	55.2	55.4	55.5	55.5
GE 4500	37.4	55.2	56.8	57.0	57.6	57.7	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.3	58.5	58.6	58.6
GE 4000	38.5	57.5	59.1	59.4	60.1	60.2	60.5	60.5	60.6	60.8	60.8	60.8	61.0	61.2	61.3	61.3	61.3
GE 3500	40.3	61.0	62.6	62.8	63.5	63.8	64.1	64.1	64.2	64.4	64.4	64.4	64.6	64.8	65.1	65.1	65.1
GE 3000	41.2	63.5	65.2	65.5	66.5	66.8	67.3	67.7	67.8	68.1	68.1	68.1	68.3	68.5	68.7	68.7	68.7
GE 2500	41.6	65.6	67.3	67.6	68.7	69.2	69.9	70.3	70.4	70.6	70.6	70.6	70.9	71.1	71.3	71.3	71.3
GE 2000	42.9	68.6	70.3	70.6	71.7	72.3	72.9	73.4	73.5	73.8	73.8	73.8	74.0	74.2	74.4	74.4	74.4
GE 1800	43.1	69.6	71.3	71.6	72.7	73.2	73.9	74.4	74.5	74.7	74.7	74.7	74.9	75.2	75.4	75.4	75.4
GE 1500	44.4	74.0	75.7	76.1	77.5	78.2	78.8	79.4	79.5	79.7	79.7	79.7	79.9	80.1	80.3	80.3	80.3
GE 1200	44.7	75.6	77.3	77.8	79.2	80.0	80.6	81.2	81.3	81.5	81.5	81.5	81.7	81.9	82.2	82.2	82.2
GE 1000	44.8	76.2	78.1	78.7	80.2	81.0	81.6	82.2	82.4	82.6	82.6	82.6	82.8	83.0	83.2	83.2	83.2
GE 900	45.3	77.3	79.1	79.8	81.3	82.0	82.7	83.2	83.4	83.7	83.7	83.7	83.9	84.1	84.3	84.3	84.3
GE 800	45.3	78.5	80.3	81.0	82.5	83.2	83.9	84.4	84.6	84.8	84.8	84.8	85.1	85.3	85.5	85.5	85.5
GE 700	45.3	79.2	81.1	81.8	83.3	84.1	84.7	85.3	85.5	85.7	85.7	85.7	85.9	86.1	86.3	86.3	86.3
GE 600	45.4	80.3	82.4	83.1	84.7	85.5	86.2	86.9	87.1	87.4	87.4	87.4	87.6	87.8	88.1	88.1	88.1
GE 500	45.4	81.0	83.3	84.3	86.2	87.0	87.8	88.5	88.9	89.4	89.5	89.5	89.7	89.9	90.1	90.1	90.1
GE 400	45.4	81.0	83.3	84.5	86.9	87.6	88.7	89.7	90.4	91.0	91.3	91.3	91.5	91.7	91.9	91.9	91.9
GE 300	45.4	81.0	83.3	84.7	87.1	88.0	89.2	90.5	91.5	92.9	93.8	93.9	94.7	95.1	95.3	95.3	95.3
GE 200	45.4	81.0	83.3	84.7	87.1	88.0	89.2	90.5	91.5	93.1	94.6	94.8	96.1	96.8	97.4	97.6	97.6
GE 100	45.4	81.0	83.3	84.7	87.1	88.0	89.2	90.5	91.5	93.1	94.6	94.8	96.3	97.3	98.6	99.8	99.8
GE 0	45.4	81.0	83.3	84.7	87.1	88.0	89.2	90.5	91.5	93.1	94.6	94.8	96.5	97.4	98.7	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.5	44.6	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 20000	39.2	48.1	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 18000	39.5	48.3	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 16000	39.8	48.8	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 14000	41.8	51.1	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 12000	42.3	51.5	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 10000	43.2	52.8	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 9000	43.2	53.2	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 8000	44.0	55.5	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 7000	44.2	56.1	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 6000	44.3	56.5	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 5000	46.3	59.0	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4500	47.5	61.2	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 4000	50.0	65.3	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3500	52.4	68.9	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3000	54.3	72.4	73.3	73.9	74.2	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 2500	56.3	75.7	76.7	77.2	77.5	77.5	77.6	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 2000	58.2	79.5	80.5	81.1	81.4	81.4	81.7	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1800	58.4	80.2	81.3	81.9	82.3	82.3	82.6	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1500	59.1	84.6	85.8	86.5	86.8	86.8	87.2	87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1200	59.5	87.3	88.7	89.4	89.7	89.7	90.1	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1000	59.7	88.4	90.1	90.9	91.2	91.2	91.9	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 900	59.8	89.1	91.3	92.2	92.5	92.5	93.2	93.5	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 800	59.8	89.4	91.6	92.5	93.1	93.1	93.9	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 700	59.8	89.6	92.4	93.7	94.5	94.5	95.4	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 600	59.8	89.7	92.5	93.8	94.9	94.9	95.9	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 500	59.8	89.8	92.7	94.0	95.5	95.5	96.9	97.8	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	59.8	89.8	92.7	94.0	95.6	95.6	97.0	98.6	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	59.8	89.8	92.7	94.0	95.6	95.6	97.0	98.6	99.0	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 200	59.8	89.8	92.7	94.0	95.6	95.6	97.0	98.6	99.0	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 100	59.8	89.8	92.7	94.0	95.6	95.6	97.0	98.6	99.0	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 0	59.8	89.8	92.7	94.0	95.6	95.6	97.0	98.6	99.0	99.8	99.8	99.8	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.5	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 20000	52.6	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 18000	52.9	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 16000	53.1	61.4	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
GE 14000	54.5	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 12000	54.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 10000	55.6	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 9000	55.7	65.1	65.3	65.3	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 8000	57.6	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	58.2	69.2	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 6000	58.3	69.6	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 5000	59.6	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4500	61.2	75.3	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4000	63.4	79.2	79.5	79.5	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 3500	66.1	83.0	83.2	83.2	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 3000	68.3	88.1	88.7	88.7	88.8	88.8	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 2500	69.5	91.2	91.8	91.9	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2000	70.1	93.5	94.3	94.4	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1800	70.2	94.5	95.3	95.5	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	70.2	95.7	96.6	96.9	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1200	70.6	96.3	97.2	97.5	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	70.6	96.6	97.6	98.1	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	70.6	96.6	97.6	98.1	98.7	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	70.6	96.6	97.6	98.1	98.7	98.7	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	70.6	96.7	97.7	98.2	98.8	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	70.6	96.7	97.7	98.2	98.8	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	70.6	96.7	97.7	98.2	98.8	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	70.6	96.7	97.7	98.2	98.8	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	70.6	96.7	97.7	98.2	98.8	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	70.6	96.7	97.7	98.2	98.8	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	70.6	96.7	97.7	98.2	98.8	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	70.6	96.7	97.7	98.2	98.8	98.8	99.2	99.6	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	53.7	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 20000	58.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 18000	59.4	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	59.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 14000	61.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 12000	61.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 10000	63.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 9000	63.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 8000	64.4	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 7000	64.8	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 6000	65.6	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
GE 5000	67.3	80.2	80.3	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 4500	68.6	82.6	82.7	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 4000	70.8	86.2	86.3	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 3500	72.9	89.7	89.8	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 3000	74.1	93.5	93.9	94.1	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 2500	74.8	96.1	96.6	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
GE 2000	75.2	96.9	97.3	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	75.2	97.0	97.4	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	75.3	97.2	97.7	98.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	75.3	97.3	98.0	98.7	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	75.3	97.3	98.0	98.7	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	75.3	97.3	98.0	98.7	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	75.3	97.3	98.0	98.7	99.1	99.1	99.7	99.8	99.8	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.6	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 20000	53.3	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 18000	53.9	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 16000	54.3	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 14000	54.9	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 12000	56.1	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	57.1	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 9000	57.1	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 8000	58.1	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 7000	58.9	79.5	79.5	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 6000	59.2	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 5000	60.8	84.6	84.8	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 4500	61.6	87.2	87.5	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
GE 4000	62.8	89.7	90.1	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 3500	63.8	92.6	93.3	93.4	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3000	64.0	94.0	94.7	94.8	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	64.2	95.5	96.2	96.3	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 2000	64.8	96.7	97.5	97.5	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	64.8	97.0	97.8	98.0	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	64.9	97.2	98.2	98.3	98.9	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	64.9	97.2	98.2	98.3	98.9	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	64.9	97.2	98.2	98.3	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	64.9	97.2	98.2	98.3	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	64.9	97.2	98.2	98.3	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	64.9	97.2	98.2	98.4	99.0	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	64.9	97.2	98.2	98.4	99.0	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	64.9	97.2	98.2	98.4	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	64.9	97.2	98.2	98.4	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	64.9	97.2	98.2	98.4	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	64.9	97.2	98.2	98.4	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	64.9	97.2	98.2	98.4	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	64.9	97.2	98.2	98.4	99.1	99.1	99.6	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.9	66.9	66.9	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 20000	17.4	69.5	69.5	69.6	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 18000	17.8	69.9	69.9	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 16000	18.0	70.1	70.1	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 14000	18.0	71.0	71.0	71.1	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 12000	18.0	72.5	72.5	72.6	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 10000	18.2	74.4	74.4	74.5	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 9000	18.3	74.7	74.7	74.8	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 8000	18.5	76.7	76.7	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 7000	18.5	78.6	78.6	78.8	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 6000	18.5	78.9	78.9	79.1	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 5000	19.1	82.6	82.6	82.8	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 4500	20.0	85.9	85.9	86.1	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 4000	20.2	88.3	88.3	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3500	20.6	91.2	91.2	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3000	20.9	93.1	93.1	93.5	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	20.9	95.7	95.8	96.2	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	20.9	96.6	96.7	97.1	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800	20.9	96.9	97.0	97.4	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	21.1	97.1	97.2	97.6	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	21.1	97.2	97.3	97.7	98.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	21.1	97.3	97.4	97.8	98.3	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	21.1	97.3	97.5	98.0	98.4	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	21.1	97.3	97.5	98.0	98.4	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	21.1	97.3	97.5	98.0	98.5	98.6	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	21.1	97.3	97.6	98.1	98.7	98.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	21.1	97.3	97.6	98.1	98.8	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.7	55.4	55.7	55.9	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.5	56.5
GE 20000	33.9	58.7	59.0	59.2	59.4	59.5	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.8	59.8
GE 18000	34.2	59.0	59.4	59.6	59.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.2	60.2
GE 16000	34.4	59.3	59.7	59.8	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4
GE 14000	35.3	60.7	61.1	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.9	61.9
GE 12000	35.6	61.7	62.0	62.2	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.8	62.8
GE 10000	36.3	63.4	63.8	64.0	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.6	64.6
GE 9000	36.4	63.8	64.2	64.4	64.7	64.7	64.8	64.8	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0
GE 8000	37.2	66.0	66.4	66.6	66.9	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.3
GE 7000	37.5	67.3	67.8	68.0	68.2	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.6
GE 6000	37.7	68.1	68.5	68.8	69.0	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4
GE 5000	39.0	71.7	72.2	72.5	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.2
GE 4500	40.1	74.6	75.1	75.4	75.6	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.1
GE 4000	41.3	77.5	78.1	78.4	78.7	78.7	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1
GE 3500	42.6	80.6	81.3	81.6	81.9	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.5
GE 3000	43.4	83.3	84.1	84.4	84.9	85.0	85.2	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.6	85.6
GE 2500	44.1	86.2	87.1	87.4	88.0	88.1	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.7	88.7	88.7
GE 2000	44.8	88.3	89.3	89.7	90.3	90.5	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.2
GE 1800	44.9	88.9	89.8	90.3	90.9	91.1	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.7	91.7	91.7
GE 1500	45.3	90.5	91.5	92.1	92.7	92.9	93.3	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.7	93.7
GE 1200	45.5	91.5	92.6	93.1	93.8	94.0	94.3	94.5	94.5	94.6	94.6	94.6	94.7	94.7	94.8	94.8
GE 1000	45.5	91.9	93.1	93.7	94.4	94.6	95.0	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.5	95.5
GE 900	45.6	92.2	93.4	94.0	94.8	95.0	95.4	95.6	95.7	95.8	95.8	95.8	95.9	95.9	96.0	96.0
GE 800	45.6	92.4	93.7	94.3	95.1	95.3	95.8	96.0	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3
GE 700	45.6	92.6	94.0	94.7	95.5	95.7	96.2	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.8	96.8
GE 600	45.6	92.8	94.2	94.9	95.8	96.0	96.6	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.3	97.3
GE 500	45.6	93.0	94.5	95.3	96.3	96.5	97.1	97.4	97.6	97.8	97.8	97.8	97.9	97.9	98.0	98.0
GE 400	45.6	93.1	94.6	95.4	96.5	96.7	97.3	97.8	98.0	98.3	98.3	98.3	98.4	98.4	98.5	98.5
GE 300	45.6	93.1	94.6	95.4	96.5	96.7	97.4	98.0	98.3	98.6	98.8	98.8	98.9	99.0	99.1	99.1
GE 200	45.6	93.1	94.6	95.4	96.5	96.7	97.4	98.0	98.3	98.7	98.9	99.0	99.2	99.3	99.5	99.5
GE 100	45.6	93.1	94.6	95.4	96.5	96.7	97.4	98.0	98.3	98.7	99.0	99.0	99.3	99.4	99.7	100.0
GE 0	45.6	93.1	94.6	95.4	96.5	96.7	97.4	98.0	98.3	98.7	99.0	99.0	99.3	99.4	99.8	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	2.6	45.1	46.2	47.0	47.3	47.6	48.0	48.2	48.2	48.3	48.8	48.9	49.0	49.0	49.3	49.3
GE 20000	2.6	47.4	49.0	49.8	50.1	50.3	50.8	51.0	51.0	51.1	51.6	51.7	51.8	51.8	52.1	52.1
GE 18000	2.6	47.8	49.3	50.1	50.4	50.7	51.1	51.3	51.3	51.4	51.9	52.0	52.1	52.1	52.4	52.4
GE 16000	2.6	47.8	49.3	50.1	50.4	50.7	51.1	51.3	51.3	51.4	51.9	52.0	52.1	52.1	52.4	52.4
GE 14000	2.6	48.9	50.4	51.2	51.7	51.9	52.3	52.6	52.6	52.7	53.1	53.2	53.3	53.3	53.7	53.7
GE 12000	2.7	49.9	51.4	52.2	52.7	52.9	53.3	53.6	53.6	53.7	54.1	54.2	54.3	54.3	54.7	54.7
GE 10000	2.7	52.9	54.4	55.2	55.7	55.9	56.3	56.6	56.6	56.7	57.1	57.2	57.3	57.3	57.7	57.7
GE 9000	2.7	53.6	55.2	56.0	56.4	56.7	57.1	57.3	57.3	57.4	57.9	58.0	58.1	58.1	58.4	58.4
GE 8000	2.7	58.0	59.7	60.4	60.9	61.1	61.6	61.8	61.8	61.9	62.3	62.3	62.4	62.6	62.9	62.9
GE 7000	2.7	59.7	61.4	62.2	62.7	63.0	63.4	63.8	63.8	63.9	64.3	64.4	64.6	64.6	64.9	64.9
GE 6000	2.7	61.0	62.8	63.6	64.0	64.3	64.8	65.1	65.1	65.2	65.7	65.8	65.9	65.9	66.2	66.2
GE 5000	2.7	65.4	67.7	68.4	69.0	69.3	69.8	70.1	70.1	70.2	70.7	70.8	70.9	70.9	71.2	71.2
GE 4500	2.7	70.6	72.9	73.7	74.2	74.6	75.0	75.4	75.4	75.6	76.0	76.1	76.2	76.2	76.6	76.6
GE 4000	2.7	74.0	76.4	77.2	77.8	78.1	78.6	79.0	79.0	79.1	79.6	79.7	79.8	79.8	80.1	80.1
GE 3500	2.7	77.2	79.7	80.6	81.6	81.9	82.3	82.8	82.8	82.9	83.3	83.4	83.6	83.6	83.9	83.9
GE 3000	2.7	80.4	83.3	84.2	85.3	85.7	86.1	86.6	86.6	86.7	87.1	87.2	87.3	87.3	87.7	87.7
GE 2500	2.8	82.7	85.8	86.7	87.8	88.2	88.7	89.1	89.1	89.2	89.7	89.8	89.9	89.9	90.2	90.2
GE 2000	2.8	84.6	88.0	88.9	90.2	90.7	91.1	91.6	91.6	91.7	92.1	92.2	92.3	92.3	92.7	92.7
GE 1800	2.8	84.9	88.3	89.3	90.8	91.2	91.7	92.1	92.1	92.2	92.7	92.8	92.9	92.9	93.2	93.2
GE 1500	2.8	86.4	89.9	91.1	92.6	93.0	93.4	93.9	93.9	94.0	94.4	94.6	94.7	94.7	95.0	95.0
GE 1200	2.8	87.0	90.4	91.7	93.1	93.6	94.0	94.6	94.6	94.7	95.1	95.2	95.3	95.3	95.7	95.7
GE 1000	2.8	87.4	90.9	92.1	93.7	94.1	94.6	95.1	95.1	95.2	95.7	95.8	95.9	95.9	96.2	96.2
GE 900	2.8	87.7	91.2	92.4	94.1	94.6	95.0	95.6	95.7	95.8	96.2	96.3	96.4	96.4	96.8	96.8
GE 800	2.8	87.8	91.3	92.6	94.3	94.8	95.2	95.8	95.9	96.0	96.4	96.6	96.7	96.7	97.0	97.0
GE 700	2.8	88.1	91.7	92.9	94.7	95.1	95.6	96.1	96.2	96.3	96.8	96.9	97.0	97.0	97.3	97.3
GE 600	2.8	88.1	91.8	93.0	94.8	95.2	95.7	96.2	96.3	96.4	96.9	97.0	97.1	97.1	97.4	97.4
GE 500	2.8	88.2	91.9	93.1	95.0	95.4	96.1	96.7	96.9	97.0	97.4	97.6	97.7	97.7	98.0	98.0
GE 400	2.8	88.2	91.9	93.2	95.2	95.7	96.4	97.0	97.2	97.3	97.8	97.9	98.0	98.0	98.3	98.3
GE 300	2.8	88.2	91.9	93.3	95.3	95.8	96.6	97.1	97.3	97.6	98.0	98.1	98.2	98.2	98.6	98.6
GE 200	2.8	88.2	91.9	93.3	95.3	95.8	96.6	97.1	97.3	97.6	98.0	98.1	98.2	98.3	98.9	98.9
GE 100	2.9	88.2	91.9	93.4	95.4	95.9	96.7	97.2	97.4	97.7	98.1	98.2	98.3	98.7	99.3	100.0
GE 0	2.8	88.2	91.9	93.4	95.4	95.9	96.7	97.2	97.4	97.7	98.1	98.2	98.3	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	4.3	34.7	36.2	37.9	39.6	39.7	40.0	40.2	40.3	41.3	41.3	41.3	41.8	41.8	42.0	42.1
GE 20000	4.3	36.6	38.2	39.9	41.6	41.7	42.0	42.2	42.3	43.3	43.3	43.3	43.8	43.8	44.0	44.1
GE 18000	4.3	36.8	38.4	40.1	41.8	41.9	42.2	42.4	42.6	43.6	43.6	43.6	44.0	44.0	44.2	44.3
GE 16000	4.3	36.8	38.4	40.1	41.8	41.9	42.2	42.4	42.6	43.6	43.6	43.6	44.0	44.0	44.2	44.3
GE 14000	4.3	37.1	38.8	40.4	42.1	42.2	42.6	42.8	42.9	43.9	43.9	43.9	44.3	44.3	44.6	44.7
GE 12000	4.4	38.1	39.8	41.4	43.1	43.2	43.6	43.8	43.9	44.9	44.9	44.9	45.3	45.3	45.6	45.7
GE 10000	4.4	40.8	42.7	44.3	46.1	46.2	46.6	46.8	46.9	47.9	47.9	47.9	48.3	48.3	48.6	48.7
GE 9000	4.4	41.7	43.6	45.2	47.0	47.1	47.4	47.7	47.8	48.8	48.8	48.8	49.2	49.2	49.4	49.6
GE 8000	4.6	45.4	47.4	49.1	50.9	51.0	51.3	51.6	51.7	52.7	52.7	52.7	53.1	53.1	53.3	53.4
GE 7000	4.7	47.0	49.2	50.9	52.7	52.8	53.1	53.3	53.4	54.4	54.4	54.4	54.9	54.9	55.1	55.2
GE 6000	4.7	49.9	52.2	53.9	55.8	55.9	56.2	56.7	56.8	57.8	57.8	57.8	58.2	58.2	58.4	58.6
GE 5000	4.8	53.1	56.1	58.0	59.9	60.0	60.3	60.8	60.9	61.9	61.9	61.9	62.3	62.3	62.6	62.7
GE 4500	4.9	57.8	60.9	62.9	64.8	64.9	65.3	65.8	65.9	66.9	66.9	66.9	67.3	67.3	67.6	67.7
GE 4000	5.2	61.4	65.0	67.1	69.2	69.3	69.9	70.3	71.4	71.4	71.4	71.4	71.9	71.9	72.1	72.2
GE 3500	5.3	64.8	68.4	70.8	73.2	73.3	73.9	74.3	74.4	75.4	75.4	75.4	75.9	75.9	76.1	76.2
GE 3000	5.3	66.8	70.6	73.0	75.6	75.7	76.4	76.9	77.0	78.0	78.0	78.0	78.4	78.4	78.7	78.8
GE 2500	5.3	69.3	73.1	75.7	78.2	78.3	79.1	79.6	79.7	80.7	80.7	80.7	81.1	81.1	81.3	81.4
GE 2000	5.4	72.1	76.0	78.8	81.3	81.4	82.2	82.7	82.8	83.8	83.8	83.8	84.2	84.2	84.4	84.6
GE 1800	5.4	72.4	76.3	79.1	81.7	81.8	82.6	83.0	83.1	84.1	84.1	84.1	84.6	84.6	84.8	84.9
GE 1500	5.6	74.7	78.7	81.4	84.1	84.2	85.1	85.6	85.7	86.7	86.7	86.7	87.1	87.1	87.3	87.4
GE 1200	5.6	75.8	79.8	82.7	85.3	85.4	86.3	86.8	86.9	87.9	87.9	87.9	88.3	88.3	88.6	88.7
GE 1000	5.6	76.6	80.8	83.7	86.3	86.4	87.3	88.0	88.1	89.1	89.1	89.1	89.6	89.6	89.8	89.9
GE 900	5.6	77.1	81.6	84.4	87.1	87.2	88.1	88.8	88.9	89.9	89.9	89.9	90.3	90.3	90.6	90.7
GE 800	5.6	77.6	82.0	84.9	87.7	87.8	88.7	89.3	89.4	90.6	90.6	90.6	91.0	91.0	91.2	91.3
GE 700	5.6	78.0	82.6	85.4	88.2	88.3	89.2	89.9	90.0	91.1	91.1	91.1	91.6	91.6	91.8	91.9
GE 600	5.6	78.3	83.0	85.9	88.9	89.0	89.9	90.8	91.0	92.1	92.1	92.1	92.6	92.6	92.8	92.9
GE 500	5.6	78.8	83.8	86.7	90.0	90.1	91.1	92.1	92.3	93.4	93.4	93.4	93.9	93.9	94.1	94.2
GE 400	5.6	78.8	83.8	86.7	90.3	90.4	91.4	92.4	92.8	94.0	94.0	94.0	94.4	94.4	94.7	94.8
GE 300	5.6	78.9	83.9	86.8	91.0	91.1	92.2	93.3	93.7	95.3	95.3	95.3	96.0	96.0	96.2	96.3
GE 200	5.6	78.9	83.9	86.8	91.0	91.1	92.2	93.3	93.7	95.6	95.7	95.7	96.6	96.9	97.2	97.8
GE 100	5.6	78.9	83.9	86.8	91.0	91.1	92.2	93.3	93.7	95.6	95.8	95.8	96.9	97.6	98.3	100.0
GE 0	5.6	78.9	83.9	86.8	91.0	91.1	92.2	93.3	93.7	95.6	95.8	95.8	96.9	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.3	28.1	29.3	30.3	30.7	31.1	31.6	31.8	31.9	32.1	32.4	32.4	33.1	33.2	34.0	34.4	
GE 20000	17.4	30.3	31.6	32.7	33.1	33.6	34.1	34.3	34.6	34.8	35.2	35.2	35.9	36.0	36.8	37.2	
GE 18000	17.7	30.9	32.1	33.2	33.7	34.1	34.7	34.9	35.1	35.3	35.8	35.8	36.4	36.6	37.3	37.8	
GE 16000	17.7	30.9	32.1	33.2	33.7	34.1	34.7	34.9	35.1	35.3	35.8	35.8	36.4	36.6	37.3	37.8	
GE 14000	18.1	31.8	33.0	34.1	34.6	35.0	35.6	35.8	36.0	36.2	36.7	36.7	37.3	37.4	38.2	38.7	
GE 12000	18.6	32.9	34.2	35.4	35.9	36.3	36.9	37.1	37.3	37.6	38.0	38.0	38.7	38.8	39.6	40.0	
GE 10000	19.2	35.1	36.4	37.7	38.1	38.6	39.1	39.3	39.6	39.8	40.2	40.2	41.0	41.1	41.9	42.3	
GE 9000	19.3	35.7	37.0	38.2	38.7	39.1	39.7	39.9	40.1	40.3	40.8	40.8	41.6	41.7	42.4	42.9	
GE 8000	20.2	40.0	41.4	42.8	43.3	43.8	44.6	44.8	45.0	45.2	45.7	45.7	46.4	46.6	47.3	47.8	
GE 7000	20.7	41.7	43.2	44.6	45.4	45.9	46.8	47.0	47.2	47.4	47.9	47.9	48.7	48.8	49.6	50.0	
GE 6000	20.7	43.1	44.8	46.1	47.2	47.7	48.6	48.8	49.0	49.2	49.7	49.7	50.4	50.6	51.3	51.8	
GE 5000	22.2	46.9	48.6	50.0	51.2	51.7	52.7	52.9	53.2	53.6	54.0	54.0	54.8	54.9	55.7	56.1	
GE 4500	23.0	51.3	53.2	54.7	55.9	56.3	57.4	57.7	58.0	58.3	58.8	58.8	59.6	59.7	60.4	60.9	
GE 4000	23.3	55.4	57.7	59.2	60.6	61.0	62.2	62.6	62.9	63.2	63.7	63.7	64.4	64.6	65.3	65.8	
GE 3500	23.6	58.9	61.1	62.8	64.1	64.6	65.8	66.1	66.4	66.8	67.2	67.2	68.0	68.1	68.9	69.4	
GE 3000	23.9	61.9	64.4	66.3	67.7	68.2	69.4	69.8	70.1	70.4	70.9	70.9	71.7	71.8	72.6	73.1	
GE 2500	24.0	65.2	69.6	70.6	72.2	72.8	74.0	74.3	74.7	75.0	75.4	75.4	76.2	76.3	77.1	77.7	
GE 2000	24.3	68.1	71.9	73.9	75.8	76.3	77.6	77.9	78.2	78.6	79.0	79.0	79.8	79.9	80.7	81.2	
GE 1800	24.4	68.3	72.1	74.1	76.0	76.6	77.8	78.1	78.4	78.8	79.2	79.2	80.0	80.1	80.9	81.4	
GE 1500	24.7	70.2	74.7	76.7	78.6	79.1	80.4	80.9	81.2	81.6	82.0	82.0	82.8	82.9	83.7	84.2	
GE 1200	24.9	71.4	76.2	78.3	80.2	80.8	82.1	82.6	82.9	83.2	83.7	83.7	84.4	84.6	85.3	85.9	
GE 1000	25.0	72.1	77.2	79.3	81.2	81.8	83.1	83.7	84.1	84.4	84.9	84.9	85.7	85.8	86.6	87.1	
GE 900	25.0	72.3	77.6	79.7	81.6	82.1	83.4	84.0	84.4	84.8	85.2	85.2	86.0	86.1	86.9	87.4	
GE 800	25.0	72.6	77.8	80.0	81.9	82.6	84.0	84.7	85.2	85.6	86.0	86.0	86.8	86.9	87.7	88.2	
GE 700	25.0	72.8	78.1	80.4	82.4	83.1	84.6	85.4	86.1	86.4	86.9	86.9	87.7	87.8	88.6	89.1	
GE 600	25.0	73.2	78.9	81.2	83.4	84.1	85.7	86.6	87.6	87.9	88.3	88.3	89.1	89.2	90.0	90.6	
GE 500	25.0	73.3	79.1	81.6	84.2	85.0	86.7	87.6	88.6	88.9	89.3	89.3	90.1	90.2	91.0	91.6	
GE 400	25.0	73.4	79.2	81.9	84.6	85.4	87.2	89.1	90.3	90.9	91.6	91.6	92.3	92.6	93.3	93.9	
GE 300	25.0	73.4	79.2	81.9	84.6	85.4	87.2	89.4	90.8	91.6	92.3	92.3	93.2	93.6	94.6	95.2	
GE 200	25.0	73.6	79.3	82.0	84.7	85.6	87.3	89.7	91.0	91.9	92.9	93.0	94.2	94.8	96.3	97.9	
GE 100	25.0	73.6	79.3	82.0	84.7	85.6	87.3	89.7	91.0	91.9	92.9	93.0	94.4	95.3	97.3	99.9	
GE 0	25.0	73.6	79.3	82.0	84.7	85.6	87.3	89.7	91.0	91.9	92.9	93.0	94.4	95.3	97.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.3	33.6	33.9	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 20000	26.6	38.3	38.9	39.1	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 18000	26.9	38.7	39.2	39.4	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 16000	27.2	39.0	39.6	39.8	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 14000	28.0	40.1	42.8	41.0	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 12000	28.9	41.9	42.6	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 10000	29.3	42.8	43.4	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 9000	30.0	43.9	44.6	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 8000	31.2	46.2	46.9	47.2	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 7000	32.1	48.2	49.1	49.4	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 6000	32.9	50.4	51.3	51.7	51.9	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 5000	34.7	54.0	55.0	55.6	55.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4500	35.9	58.8	59.9	60.6	60.8	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 4000	37.0	62.4	63.8	64.7	64.9	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3500	37.6	66.7	68.0	69.0	69.2	69.4	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3000	38.9	73.2	74.9	75.9	76.1	76.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 2500	39.9	76.6	78.3	79.3	79.9	80.1	80.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 2000	40.3	78.6	80.3	81.4	82.0	82.2	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1800	40.3	79.4	81.2	82.3	83.0	83.2	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1500	40.6	82.4	84.6	85.7	86.3	86.6	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1200	40.6	83.8	86.0	87.1	88.0	88.3	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1000	40.6	84.8	87.3	88.6	89.4	89.9	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 900	40.6	85.0	87.9	89.1	90.2	90.7	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 800	40.6	85.2	88.3	89.6	90.8	91.3	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 700	40.6	85.4	88.7	89.9	91.1	91.7	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 600	40.6	85.9	89.2	90.6	92.0	92.8	93.9	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 500	40.6	86.2	89.6	91.0	92.8	93.6	94.8	96.1	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 400	40.6	86.2	89.6	91.0	92.9	93.8	95.0	97.0	97.3	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	40.6	86.2	89.6	91.0	92.9	93.8	95.0	97.1	97.6	98.4	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	40.6	86.2	89.6	91.0	92.9	93.8	95.0	97.1	97.6	98.4	99.0	99.0	99.2	99.6	99.8	99.9
GE 100	40.6	86.2	89.6	91.0	93.0	93.9	95.1	97.2	97.7	98.6	99.1	99.1	99.3	99.7	99.9	100.0
GE 0	40.6	86.2	89.6	91.0	93.0	93.9	95.1	97.2	97.7	98.6	99.1	99.1	99.3	99.7	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

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	33.1	40.6	43.7	40.7	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 20000	36.7	46.7	46.9	46.9	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 18000	36.9	47.0	47.2	47.2	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 16000	37.1	47.2	47.4	47.4	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 14000	37.9	48.6	48.8	48.8	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 12000	38.4	49.3	49.6	49.6	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 10000	39.1	51.6	51.8	51.9	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 9000	39.4	51.9	52.1	52.2	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 8000	41.4	55.2	55.4	55.6	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 7000	42.0	56.8	57.0	57.1	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 6000	42.9	58.9	59.4	59.8	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 5000	44.4	62.7	63.6	63.9	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 4500	45.8	66.6	67.7	68.1	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4000	47.8	71.7	72.9	73.3	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3500	49.8	78.7	80.2	80.7	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3000	51.3	85.6	87.9	88.6	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500	52.9	89.1	91.9	92.6	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2000	53.4	91.2	94.1	94.8	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	53.4	91.8	94.7	95.3	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	53.4	92.4	95.3	96.0	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	53.4	93.2	96.1	96.8	98.0	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	53.4	93.6	96.6	97.2	98.4	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	53.4	93.6	96.6	97.2	98.4	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	53.4	93.6	96.6	97.2	98.4	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	53.4	93.6	96.6	97.2	98.7	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	53.4	93.6	96.6	97.3	98.8	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	53.4	93.6	96.6	97.3	98.8	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	53.4	93.6	96.6	97.3	98.8	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	53.4	93.6	96.6	97.3	98.8	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.4	93.6	96.6	97.3	98.8	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.4	93.6	96.6	97.3	98.8	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	53.4	93.6	96.6	97.3	98.8	99.1	99.4	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.0	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	40.4	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 18000	41.0	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 16000	41.0	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 14000	42.0	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 12000	42.3	55.7	55.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 10000	42.8	58.2	58.9	58.8	58.9	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 9000	43.2	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 8000	44.4	61.2	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 7000	45.1	63.1	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 6000	45.6	64.6	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 5000	47.6	69.6	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4500	48.4	74.1	75.0	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4000	50.2	78.3	79.3	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3500	52.1	85.0	85.2	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3000	53.3	90.4	91.9	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2500	53.3	92.4	93.9	94.8	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2000	53.3	94.0	95.8	96.7	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	53.3	94.1	95.9	96.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	53.3	94.3	96.1	97.2	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	53.4	94.8	96.8	97.9	99.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	53.4	94.8	96.8	98.0	99.3	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	53.4	94.8	96.8	98.1	99.4	99.8	99.8	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	16.9	66.9	66.9	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	
GE 2000	17.4	69.5	69.5	69.6	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	
GE 1800	17.8	69.9	69.9	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 1600	18.0	70.1	70.1	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	
GE 1400	18.0	71.0	71.0	71.1	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	
GE 1200	18.0	72.5	72.5	72.6	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
GE 1000	18.2	74.4	74.4	74.5	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
GE 900	18.3	74.7	74.7	74.8	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	
GE 800	18.5	76.7	76.7	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	
GE 700	18.5	78.6	78.6	78.8	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	
GE 600	18.5	78.9	78.9	79.1	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	
GE 500	19.1	82.6	82.6	82.8	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	
GE 450	20.0	85.9	85.9	86.1	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	
GE 400	20.2	88.3	88.3	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	
GE 350	20.6	91.2	91.2	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	
GE 300	20.9	93.1	93.1	93.5	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GE 250	20.9	95.7	95.8	96.2	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
GE 200	20.9	96.6	96.7	97.1	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 180	20.9	96.9	97.0	97.4	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
GE 150	21.1	97.1	97.2	97.6	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 120	21.1	97.2	97.3	97.7	98.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 100	21.1	97.3	97.4	97.8	98.3	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 90	21.1	97.3	97.5	98.0	98.4	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 80	21.1	97.3	97.5	98.0	98.4	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 70	21.1	97.3	97.5	98.0	98.5	98.6	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	
GE 60	21.1	97.3	97.6	98.1	98.7	98.8	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
GE 50	21.1	97.3	97.6	98.1	98.8	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 40	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 30	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 20	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 10	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	21.1	97.3	97.6	98.1	98.9	99.0	99.6	99.9	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1400-2100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	26.2	51.9	52.0	52.2	52.3	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	
GE 20000	27.7	57.3	57.4	57.8	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
GE 18000	27.8	57.4	57.6	57.9	58.0	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
GE 16000	27.9	57.7	57.8	58.1	58.2	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	
GE 14000	28.4	58.8	58.9	59.2	59.3	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
GE 12000	28.9	60.0	60.1	60.4	60.6	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	
GE 10000	29.3	62.7	62.8	63.1	63.2	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
GE 9000	29.7	63.4	63.6	63.9	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	
GE 8000	30.3	66.6	66.7	67.1	67.2	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	
GE 7000	30.7	69.3	69.4	69.9	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 6000	30.9	70.8	70.9	71.3	71.4	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
GE 5000	31.8	75.7	76.1	76.6	76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
GE 4500	32.0	80.3	80.9	81.3	81.6	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
GE 4000	32.7	84.4	85.0	85.9	86.2	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
GE 3500	32.9	88.3	89.0	89.9	90.3	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	
GE 3000	33.0	91.1	91.8	92.7	93.2	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	
GE 2500	33.0	92.6	93.8	94.9	95.6	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GE 2000	33.2	93.8	95.0	96.3	97.1	97.2	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 1800	33.2	93.9	95.2	96.6	97.3	97.4	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE 1500	33.3	94.0	95.6	96.9	97.7	97.9	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 1200	33.3	94.2	95.8	97.1	98.1	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 1000	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 900	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 800	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 700	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 600	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 500	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 400	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 300	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 200	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	
GE 100	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	
GE 0	33.3	94.3	95.9	97.2	98.2	98.4	99.0	99.4	99.6	99.8	99.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CELL	7.9	54.7	55.3	55.7	55.9	55.9	55.9	55.9	56.0	56.1	56.2	56.2	56.3	56.3	56.4	56.4
GE 20000	7.9	57.0	57.9	58.2	58.4	58.4	58.4	58.4	58.6	58.7	58.8	58.8	58.9	58.9	59.0	59.0
GE 18000	7.9	57.1	58.0	58.3	58.6	58.6	58.6	58.6	58.7	58.8	58.9	58.9	59.0	59.0	59.1	59.1
GE 16000	7.9	57.1	58.0	58.3	58.6	58.6	58.6	58.6	58.7	58.8	58.9	58.9	59.0	59.0	59.1	59.1
GE 14000	7.9	57.7	58.6	58.9	59.1	59.1	59.1	59.1	59.2	59.3	59.4	59.4	59.6	59.6	59.7	59.7
GE 12000	7.9	58.2	59.1	59.4	59.7	59.7	59.7	59.7	59.8	59.9	60.0	60.0	60.1	60.1	60.2	60.2
GE 10000	7.9	61.6	62.4	62.9	63.1	63.1	63.1	63.1	63.2	63.3	63.4	63.4	63.6	63.6	63.7	63.7
GE 9000	7.9	62.0	62.9	63.3	63.6	63.6	63.6	63.6	63.7	63.8	63.9	63.9	64.0	64.0	64.1	64.1
GE 8000	7.9	65.7	66.6	67.0	67.2	67.2	67.2	67.2	67.3	67.4	67.6	67.6	67.7	67.7	67.8	67.8
GE 7000	7.9	67.8	68.8	69.2	69.4	69.4	69.4	69.4	69.6	69.7	69.9	69.9	70.0	70.0	70.1	70.1
GE 6000	8.0	69.2	70.3	70.8	71.0	71.0	71.0	71.0	71.1	71.2	71.4	71.4	71.6	71.6	71.7	71.7
GE 5000	8.2	75.0	76.2	76.7	76.9	76.9	76.9	76.9	77.0	77.1	77.3	77.3	77.4	77.4	77.6	77.6
GE 4500	8.2	79.6	81.8	81.2	81.4	81.4	81.4	81.4	81.6	81.7	81.9	81.9	82.0	82.0	82.1	82.1
GE 4000	8.2	82.6	83.8	84.4	84.7	84.7	84.7	84.7	84.8	84.9	85.1	85.1	85.2	85.2	85.3	85.3
GE 3500	8.2	87.0	88.3	89.0	89.3	89.3	89.3	89.3	89.4	89.6	89.8	89.8	89.9	89.9	90.0	90.0
GE 3000	8.2	88.8	90.2	91.0	91.3	91.3	91.3	91.3	91.6	91.7	91.9	91.9	92.0	92.0	92.1	92.1
GE 2500	8.4	90.6	92.1	93.1	93.4	93.7	93.8	93.8	93.9	94.0	94.2	94.2	94.3	94.3	94.4	94.4
GE 2000	8.4	91.3	93.1	94.6	95.0	95.3	95.6	95.6	95.7	95.8	96.0	96.0	96.1	96.1	96.2	96.2
GE 1800	8.4	91.4	93.2	94.7	95.2	95.6	95.8	95.8	95.9	96.0	96.2	96.2	96.3	96.3	96.4	96.4
GE 1500	8.4	92.1	94.1	95.6	96.3	96.7	96.9	96.9	97.0	97.1	97.3	97.3	97.4	97.4	97.6	97.6
GE 1200	8.4	92.4	94.6	96.0	96.9	97.2	97.4	97.4	97.6	97.7	97.9	97.9	98.0	98.0	98.1	98.1
GE 1000	8.4	92.8	94.9	96.3	97.3	97.7	97.9	97.9	98.1	98.2	98.4	98.4	98.6	98.6	98.7	98.7
GE 900	8.4	92.8	94.9	96.3	97.3	97.7	97.9	97.9	98.1	98.2	98.4	98.4	98.6	98.6	98.7	98.7
GE 800	8.4	92.8	95.0	96.4	97.6	97.9	98.1	98.1	98.3	98.4	98.7	98.7	98.8	98.8	98.9	98.9
GE 700	8.4	92.8	95.0	96.4	97.6	97.9	98.1	98.1	98.3	98.4	98.7	98.7	98.8	98.8	98.9	98.9
GE 600	8.4	92.8	95.0	96.4	97.6	97.9	98.1	98.1	98.3	98.4	98.7	98.7	98.8	98.8	98.9	98.9
GE 500	8.4	92.8	95.0	96.4	97.6	97.9	98.1	98.1	98.4	98.6	98.8	98.8	98.9	98.9	99.0	99.0
GE 400	8.4	92.8	95.0	96.4	97.6	97.9	98.1	98.1	98.6	98.7	98.9	98.9	99.0	99.0	99.1	99.1
GE 300	8.4	92.8	95.0	96.4	97.6	97.9	98.2	98.2	98.7	98.8	99.0	99.0	99.1	99.1	99.2	99.2
GE 200	8.4	92.8	95.0	96.4	97.6	97.9	98.3	98.4	98.9	99.0	99.2	99.2	99.3	99.3	99.4	99.4
GE 100	8.4	92.8	95.0	96.4	97.6	97.9	98.3	98.4	98.9	99.0	99.2	99.2	99.3	99.3	99.6	100.0
GE 0	8.4	92.8	95.0	96.4	97.6	97.9	98.3	98.4	98.9	99.0	99.2	99.2	99.3	99.3	99.6	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.8	41.9	42.6	43.1	43.5	43.6	43.8	43.9	43.9	44.1	44.2	44.2	44.4	44.4	44.6	44.7
GE 20000	20.4	45.8	46.7	47.2	47.6	47.8	48.0	48.1	48.1	48.3	48.4	48.4	48.6	48.6	48.8	48.9
GE 18000	20.6	46.2	47.0	47.6	48.0	48.1	48.3	48.4	48.4	48.6	48.7	48.8	48.8	48.9	49.1	49.2
GE 16000	20.7	46.3	47.1	47.7	48.1	48.2	48.4	48.5	48.5	48.7	48.8	48.8	49.0	49.0	49.2	49.3
GE 14000	21.2	47.2	48.1	48.6	49.1	49.2	49.4	49.5	49.5	49.7	49.8	49.8	50.0	50.0	50.2	50.3
GE 12000	21.5	48.3	49.1	49.7	50.1	50.3	50.4	50.5	50.6	50.8	50.9	50.9	51.1	51.1	51.3	51.3
GE 10000	21.8	50.7	51.6	52.2	52.6	52.8	53.0	53.1	53.1	53.3	53.4	53.4	53.6	53.6	53.8	53.9
GE 9000	22.1	51.4	52.3	52.9	53.3	53.5	53.7	53.8	53.8	54.0	54.1	54.1	54.3	54.3	54.5	54.6
GE 8000	22.8	54.8	55.7	56.4	56.9	57.0	57.2	57.3	57.4	57.5	57.7	57.7	57.9	57.9	58.1	58.1
GE 7000	23.2	56.7	57.7	58.4	58.9	59.0	59.3	59.4	59.5	59.7	59.8	59.8	60.0	60.0	60.2	60.3
GE 6000	23.5	58.5	59.6	60.3	60.8	61.0	61.3	61.4	61.5	61.6	61.8	61.8	62.0	62.0	62.2	62.2
GE 5000	24.5	62.8	64.2	64.9	65.5	65.7	66.0	66.1	66.2	66.4	66.5	66.5	66.7	66.7	66.9	67.0
GE 4500	25.1	67.4	68.9	69.7	70.3	70.5	70.8	70.9	71.0	71.2	71.3	71.3	71.5	71.5	71.7	71.8
GE 4000	25.9	71.3	73.0	73.9	74.6	74.8	75.1	75.3	75.4	75.6	75.7	75.7	75.9	75.9	76.1	76.2
GE 3500	26.5	75.8	77.6	78.7	79.5	79.7	80.0	80.2	80.3	80.5	80.6	80.6	80.8	80.8	81.0	81.1
GE 3000	27.1	79.8	81.9	83.0	83.9	84.1	84.5	84.8	84.8	85.0	85.2	85.2	85.3	85.4	85.5	85.6
GE 2500	27.5	82.3	84.7	85.9	87.0	87.2	87.7	87.9	88.0	88.2	88.3	88.3	88.5	88.5	88.7	88.8
GE 2000	27.7	84.2	86.8	88.2	89.3	89.6	90.1	90.3	90.4	90.6	90.8	90.8	91.0	91.0	91.2	91.2
GE 1800	27.7	84.5	87.1	88.5	89.8	90.1	90.6	90.8	90.9	91.1	91.2	91.3	91.4	91.4	91.6	91.7
GE 1500	27.8	85.8	88.6	90.1	91.4	91.7	92.2	92.5	92.6	92.8	92.9	92.9	93.1	93.1	93.3	93.4
GE 1200	27.8	86.6	89.5	90.9	92.4	92.7	93.2	93.5	93.6	93.8	93.9	94.0	94.1	94.2	94.3	94.4
GE 1000	27.8	87.0	90.0	91.6	93.0	93.3	93.9	94.2	94.3	94.6	94.7	94.7	94.9	94.9	95.1	95.2
GE 900	27.8	87.2	90.3	91.8	93.3	93.6	94.2	94.5	94.7	94.9	95.0	95.0	95.2	95.2	95.4	95.5
GE 800	27.8	87.3	90.5	92.0	93.5	93.9	94.5	94.9	95.0	95.3	95.4	95.4	95.6	95.6	95.8	95.9
GE 700	27.8	87.5	90.7	92.2	93.8	94.2	94.8	95.2	95.4	95.6	95.8	95.8	95.9	96.0	96.1	96.2
GE 600	27.8	87.6	90.9	92.5	94.1	94.5	95.2	95.7	95.9	96.1	96.3	96.3	96.5	96.5	96.7	96.8
GE 500	27.8	87.8	91.1	92.7	94.5	94.9	95.6	96.2	96.5	96.8	96.9	96.9	97.1	97.1	97.3	97.4
GE 400	27.8	87.8	91.1	92.7	94.6	95.1	95.8	96.6	97.0	97.3	97.5	97.5	97.7	97.7	97.9	98.0
GE 300	27.8	87.8	91.1	92.8	94.7	95.2	95.9	96.8	97.2	97.7	97.9	97.9	98.1	98.2	98.4	98.5
GE 200	27.8	87.8	91.1	92.8	94.7	95.2	96.0	96.9	97.3	97.8	98.1	98.1	98.4	98.6	98.9	99.2
GE 100	27.8	87.8	91.1	92.8	94.8	95.2	96.0	96.9	97.3	97.8	98.1	98.2	98.5	98.8	99.3	100.0
GE 0	27.8	87.8	91.1	92.8	94.8	95.2	96.0	96.9	97.3	97.8	98.1	98.2	98.5	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1.6	32.4	35.3	38.7	42.6	42.8	44.1	45.5	45.7	46.3	46.6	46.7	47.1	47.2	47.6	48.4
GE 20000	1.6	33.1	36.0	39.5	43.4	43.7	44.9	46.3	46.6	47.2	47.4	47.5	48.0	48.1	48.5	49.2
GE 18000	1.6	33.1	36.0	39.5	43.4	43.7	44.9	46.3	46.6	47.2	47.4	47.5	48.0	48.1	48.5	49.2
GE 16000	1.6	33.1	36.0	39.5	43.4	43.7	44.9	46.3	46.6	47.2	47.4	47.5	48.0	48.1	48.5	49.2
GE 14000	1.6	33.7	36.6	40.0	44.0	44.2	45.5	46.9	47.1	47.7	48.0	48.1	48.5	48.6	49.0	49.8
GE 12000	1.6	34.7	37.6	41.1	45.2	45.4	46.7	48.1	48.3	48.9	49.1	49.2	49.7	49.8	50.2	51.0
GE 10000	1.6	37.4	40.3	43.8	47.8	48.1	49.4	50.8	51.0	51.6	51.8	51.9	52.4	52.5	52.9	53.7
GE 9000	1.6	37.8	40.8	44.2	48.3	48.5	49.8	51.2	51.4	52.0	52.3	52.4	52.8	52.9	53.3	54.1
GE 8000	1.6	41.8	45.3	48.7	52.8	53.0	54.3	55.7	55.9	56.6	56.8	56.9	57.3	57.4	57.8	58.6
GE 7000	1.6	44.5	48.2	51.6	55.7	55.9	57.2	58.7	58.9	59.7	59.9	60.0	60.4	60.5	61.0	61.7
GE 6000	1.7	46.1	49.8	53.2	57.3	57.5	58.8	60.3	60.5	61.3	61.5	61.6	62.0	62.2	62.6	63.3
GE 5000	1.7	50.9	54.5	58.1	62.3	62.5	64.1	65.6	66.0	66.8	67.0	67.1	67.5	67.6	68.1	68.8
GE 4500	1.7	55.2	58.8	62.4	66.7	66.9	68.5	70.1	70.5	71.3	71.5	71.6	72.0	72.2	72.6	73.3
GE 4000	1.8	58.3	61.9	65.7	70.0	70.2	72.4	74.0	74.4	75.3	75.5	75.6	76.0	76.1	76.6	77.3
GE 3500	2.0	61.6	65.3	69.0	73.4	73.7	76.0	77.6	78.1	78.9	79.1	79.2	79.8	79.9	80.3	81.1
GE 3000	2.0	63.4	67.3	71.4	76.0	76.2	78.9	80.5	81.0	81.9	82.2	82.3	82.8	82.9	83.3	84.1
GE 2500	2.0	65.4	69.7	73.9	78.6	78.8	81.7	83.3	83.8	84.7	84.9	85.1	85.6	85.7	86.1	86.9
GE 2000	2.0	66.7	71.0	75.2	80.1	80.3	83.3	85.1	85.5	86.5	86.7	86.8	87.3	87.4	87.8	88.6
GE 1800	2.0	67.2	71.5	75.7	80.8	81.0	84.1	85.8	86.2	87.2	87.4	87.5	88.1	88.2	88.6	89.4
GE 1500	2.0	68.0	72.3	76.6	81.8	82.0	85.3	87.1	87.5	88.5	88.7	88.8	89.4	89.5	89.9	90.6
GE 1200	2.0	68.3	72.6	76.9	82.2	82.4	85.6	87.4	87.8	88.8	89.0	89.1	89.7	89.8	90.2	91.0
GE 1000	2.0	68.3	72.7	77.0	82.3	82.5	85.7	87.5	88.0	88.9	89.1	89.2	89.8	89.9	90.3	91.1
GE 900	2.0	68.3	72.7	77.0	82.3	82.5	85.7	87.5	88.0	88.9	89.1	89.2	89.8	89.9	90.3	91.1
GE 800	2.0	68.7	73.2	77.5	82.8	83.0	86.2	88.1	88.5	89.5	89.7	89.8	90.3	90.4	90.9	91.6
GE 700	2.0	68.7	73.2	77.5	82.8	83.0	86.2	88.1	88.5	89.5	89.7	89.8	90.3	90.4	90.9	91.6
GE 600	2.0	68.7	73.3	77.6	82.9	83.1	86.5	88.3	88.7	89.7	89.9	90.0	90.5	90.6	91.1	91.8
GE 500	2.0	68.9	73.5	78.1	83.4	83.7	87.0	88.8	89.2	90.2	90.4	90.5	91.1	91.2	91.6	92.4
GE 400	2.0	68.9	73.5	78.1	83.4	83.7	87.1	88.9	89.4	90.5	90.8	90.9	91.4	91.5	91.9	92.7
GE 300	2.0	69.0	73.7	78.2	83.5	83.8	87.2	89.1	89.6	90.8	91.1	91.2	91.8	91.9	92.4	93.1
GE 200	2.0	69.0	73.7	78.2	83.7	83.9	87.5	89.8	90.2	91.5	91.9	92.0	93.1	93.3	94.2	95.1
GE 100	2.0	69.0	73.8	78.3	83.8	84.0	87.6	89.9	90.3	91.8	92.3	92.4	93.8	94.1	95.3	98.1
GE 0	2.0	69.0	73.8	78.3	83.8	84.0	87.6	89.9	90.3	91.8	92.3	92.4	93.8	94.1	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1.1	21.9	23.5	26.0	28.9	29.1	30.6	31.5	31.8	32.8	33.1	33.1	34.3	34.5	35.2	36.2
GE 20000	1.2	22.5	24.1	26.6	29.8	30.0	31.5	32.4	32.7	33.7	34.0	34.0	35.2	35.4	36.0	37.1
GE 18000	1.2	22.5	24.1	26.6	29.8	30.0	31.5	32.4	32.7	33.8	34.1	34.1	35.3	35.5	36.2	37.3
GE 16000	1.2	22.6	24.2	26.7	29.9	30.1	31.6	32.5	32.8	33.9	34.2	34.2	35.4	35.6	36.3	37.4
GE 14000	1.2	23.1	24.7	27.2	30.4	30.6	32.2	33.0	33.3	34.4	34.7	34.7	35.9	36.1	36.9	38.0
GE 12000	1.2	24.6	26.2	28.7	32.2	32.4	33.9	34.7	35.1	36.2	36.6	36.6	37.7	38.0	38.7	39.8
GE 10000	1.2	27.1	28.7	31.2	34.9	35.2	36.8	37.6	38.0	39.1	39.5	39.5	40.6	40.9	41.6	42.7
GE 9000	1.2	27.7	29.4	31.8	35.7	35.9	37.5	38.4	38.7	39.9	40.2	40.2	41.4	41.6	42.4	43.4
GE 8000	1.2	30.6	32.3	34.9	39.1	39.4	41.0	41.8	42.2	43.3	43.7	43.7	44.8	45.1	45.8	46.9
GE 7000	1.2	32.6	34.3	37.1	41.6	41.8	43.4	44.3	44.6	45.8	46.1	46.1	47.3	47.5	48.3	49.4
GE 6000	1.2	34.4	36.1	38.9	43.4	43.7	45.3	46.1	46.5	47.6	48.0	48.0	49.1	49.4	50.1	51.2
GE 5000	1.2	39.6	41.4	44.2	48.8	49.0	50.6	51.5	51.8	53.0	53.3	53.3	54.6	54.8	55.6	56.7
GE 4500	1.3	43.7	45.9	48.7	53.5	53.8	55.4	56.3	56.7	57.8	58.2	58.2	59.5	59.7	60.4	61.5
GE 4000	1.3	46.5	48.8	51.6	56.6	56.8	59.0	60.1	60.4	61.6	61.9	61.9	63.2	63.4	64.2	65.3
GE 3500	1.4	48.7	51.4	54.5	59.8	60.0	62.3	63.3	63.7	64.8	65.2	65.2	66.5	66.7	67.4	68.5
GE 3000	1.5	52.4	55.2	58.4	64.0	64.2	66.5	67.5	67.8	69.0	69.4	69.4	70.6	70.9	71.6	72.7
GE 2500	1.5	54.6	57.5	60.8	66.5	66.7	68.9	70.0	70.3	71.5	71.8	71.8	73.1	73.3	74.1	75.2
GE 2000	1.5	55.9	59.2	62.6	68.5	68.7	71.1	72.2	72.5	73.7	74.0	74.0	75.3	75.5	76.2	77.3
GE 1800	1.5	56.7	60.0	63.3	69.1	69.7	72.0	73.1	73.4	74.6	74.9	74.9	76.2	76.5	77.2	78.3
GE 1500	1.8	58.4	61.8	65.2	71.3	71.5	74.0	75.2	75.5	76.7	77.0	77.0	78.3	78.5	79.2	80.3
GE 1200	1.8	58.9	62.4	66.0	72.3	72.5	74.9	76.1	76.5	77.6	78.0	78.0	79.2	79.5	80.2	81.3
GE 1000	1.8	59.6	63.0	66.7	72.9	73.1	75.6	76.8	77.1	78.3	78.6	78.6	79.9	80.1	80.9	81.9
GE 900	1.8	59.9	63.5	67.2	73.4	73.7	76.1	77.3	77.6	78.8	79.2	79.2	80.5	80.8	81.5	82.6
GE 800	1.8	59.9	63.7	67.5	73.8	74.0	76.6	77.7	78.1	79.2	79.7	79.7	81.0	81.2	81.9	83.0
GE 700	1.8	59.9	63.7	67.5	73.8	74.0	76.6	77.7	78.1	79.2	79.7	79.7	81.0	81.2	81.9	83.0
GE 600	1.8	60.0	63.9	67.7	74.2	74.4	77.0	78.2	78.5	79.8	80.2	80.2	81.5	81.7	82.5	83.5
GE 500	1.8	60.2	64.2	68.1	74.9	75.2	77.8	79.0	79.4	80.8	81.2	81.2	82.5	82.7	83.4	84.5
GE 400	1.8	60.2	64.3	68.2	75.2	75.4	78.1	79.6	80.0	81.4	81.8	81.8	83.1	83.5	84.4	85.5
GE 300	1.8	60.2	64.3	68.4	75.5	75.7	78.4	80.0	80.5	82.4	82.8	82.8	84.1	84.5	85.5	86.6
GE 200	1.8	60.3	64.4	68.5	75.9	76.1	78.9	81.0	81.5	83.5	84.5	84.6	86.1	86.7	89.6	90.4
GE 100	1.8	60.3	64.4	68.5	75.9	76.1	78.9	81.0	81.5	83.7	84.7	84.9	87.0	88.1	91.0	96.6
GE 0	1.8	60.3	64.4	68.5	75.9	76.1	78.9	81.0	81.5	83.7	84.7	84.9	87.0	88.1	91.1	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	7.5	20.8	21.7	22.2	23.9	23.9	24.1	24.5	24.5	24.9	25.4	25.4	26.1	26.1	26.2	27.0
GE 20000	9.1	23.5	25.1	25.7	27.5	27.5	27.7	28.3	28.4	28.8	29.4	29.4	30.2	30.2	30.3	31.1
GE 18000	9.2	23.9	25.4	26.0	27.8	27.8	28.1	28.6	28.7	29.1	29.7	29.7	30.5	30.5	30.6	31.4
GE 16000	9.2	24.0	25.5	26.1	28.0	28.0	28.2	28.7	28.8	29.2	29.8	29.8	30.6	30.6	30.8	31.5
GE 14000	9.9	25.3	26.8	27.4	29.2	29.2	29.5	30.0	30.1	30.5	31.3	31.3	32.2	32.2	32.3	33.0
GE 12000	10.4	26.6	28.1	28.8	30.6	30.6	30.9	31.4	31.5	31.9	32.7	32.7	33.5	33.5	33.7	34.4
GE 10000	11.3	29.0	30.6	31.4	33.2	33.2	33.4	34.0	34.1	34.5	35.3	35.3	36.1	36.1	36.2	37.0
GE 9000	11.4	29.5	31.1	31.8	33.7	33.7	33.9	34.5	34.6	35.1	35.8	35.8	36.7	36.7	36.8	37.5
GE 8000	11.8	32.6	34.2	34.9	37.1	37.1	37.4	38.1	38.3	38.7	39.5	39.5	40.3	40.3	40.4	41.2
GE 7000	12.3	34.3	35.9	36.7	38.8	38.8	39.1	39.8	40.0	40.4	41.2	41.2	42.0	42.0	42.2	42.9
GE 6000	12.6	35.8	37.4	38.2	40.3	40.3	40.6	41.3	41.5	41.9	42.7	42.7	43.5	43.5	43.7	44.4
GE 5000	13.2	39.8	41.4	42.2	44.3	44.3	44.8	45.6	45.8	46.2	47.0	47.0	47.8	47.8	48.0	48.7
GE 4500	13.8	44.5	46.1	47.0	49.4	49.4	50.0	50.8	51.0	51.4	52.2	52.2	53.0	53.0	53.1	53.9
GE 4000	14.1	46.6	48.2	49.0	51.5	51.5	52.3	53.0	53.2	53.7	54.4	54.4	55.3	55.3	55.4	56.1
GE 3500	14.5	49.8	51.5	52.5	54.9	54.9	56.0	56.9	57.1	57.6	58.4	58.4	59.2	59.2	59.4	60.1
GE 3000	14.9	54.3	56.2	57.3	60.0	60.0	61.1	61.9	62.2	62.7	63.4	63.4	64.3	64.3	64.4	65.2
GE 2500	15.2	55.9	57.8	59.0	61.7	61.7	62.9	63.8	64.0	64.5	65.5	65.6	66.5	66.5	66.6	67.3
GE 2000	15.4	57.4	59.5	61.0	63.7	63.9	65.3	66.1	66.5	67.0	68.0	68.1	68.9	68.9	69.0	69.8
GE 1800	15.5	58.3	60.4	61.9	64.6	64.9	66.3	67.2	67.5	68.1	69.0	69.1	70.0	70.0	70.1	70.9
GE 1500	15.5	59.4	61.9	63.5	66.2	66.6	68.1	69.0	69.4	69.9	70.9	71.0	71.8	71.8	71.9	72.7
GE 1200	15.7	60.0	62.8	64.5	67.3	67.6	69.2	70.2	70.5	71.1	72.0	72.2	73.0	73.0	73.1	73.9
GE 1000	15.7	60.4	63.2	65.2	68.2	68.5	70.1	71.4	71.7	72.3	73.2	73.3	74.2	74.2	74.4	75.2
GE 900	15.8	60.8	63.7	65.7	68.7	69.1	71.0	72.3	72.7	73.2	74.2	74.3	75.2	75.2	75.4	76.1
GE 800	15.8	60.9	64.0	66.1	69.1	69.6	71.4	72.7	73.1	73.7	74.6	74.7	75.6	75.6	75.8	76.6
GE 700	15.8	60.9	64.0	66.1	69.5	69.9	71.9	73.2	73.7	74.2	75.2	75.3	76.1	76.1	76.3	77.1
GE 600	15.8	61.0	64.2	66.3	70.1	70.6	72.8	74.3	74.7	75.3	76.3	76.5	77.3	77.3	77.5	78.3
GE 500	15.8	61.0	64.3	66.5	70.4	71.0	73.1	74.9	75.6	76.2	77.4	77.5	78.5	78.5	78.8	79.6
GE 400	15.8	61.0	64.4	66.7	70.6	71.2	73.3	75.3	75.9	76.8	78.3	78.4	79.4	79.4	79.8	80.9
GE 300	15.8	61.0	64.4	66.8	71.1	71.6	74.0	76.1	77.0	78.5	80.4	80.5	82.2	82.2	82.7	84.2
GE 200	15.8	61.0	64.4	66.8	71.1	71.6	74.1	76.3	77.3	79.0	81.8	82.0	84.7	84.8	86.5	89.6
GE 100	15.8	61.0	64.4	66.8	71.1	71.6	74.1	76.3	77.4	79.2	82.0	82.3	85.6	86.0	88.5	98.2
GE 0	15.8	61.0	64.4	66.8	71.1	71.6	74.1	76.3	77.4	79.2	82.0	82.3	85.6	86.0	88.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	13.8	24.9	25.6	25.6	26.0	26.2	26.5	26.7	26.7	26.7	26.7	26.7	26.7	26.8	26.8	27.1	27.1
GE 20000	16.8	29.2	29.9	29.9	30.5	30.8	31.1	31.3	31.3	31.3	31.3	31.3	31.3	31.4	31.4	31.7	31.8
GE 18000	17.0	29.8	30.4	30.4	31.1	31.3	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.9	31.9	32.3	32.4
GE 16000	17.0	29.8	30.4	30.4	31.1	31.3	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.9	31.9	32.3	32.4
GE 14000	18.8	32.0	32.8	32.8	33.4	33.7	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.6	34.7
GE 12000	19.9	34.5	35.4	35.5	36.2	36.5	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.1	37.1	37.4	37.5
GE 10000	21.1	37.7	38.6	38.8	39.6	39.8	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.9	41.0
GE 9000	21.3	38.3	39.1	39.5	40.2	40.4	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.5	41.6
GE 8000	21.9	40.4	41.3	41.6	42.4	42.6	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.7	43.8
GE 7000	22.7	42.7	43.5	43.9	44.6	44.8	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.6	45.9	46.0
GE 6000	23.3	44.5	45.5	45.8	46.6	46.8	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.8	48.0
GE 5000	24.3	48.0	49.0	49.6	50.4	50.6	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	52.2	52.3
GE 4500	25.7	53.3	54.8	55.4	56.3	56.7	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	58.2	58.3
GE 4000	26.3	55.4	57.0	57.5	58.8	59.1	59.8	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.9	61.0	61.0
GE 3500	27.1	58.3	60.0	60.6	61.9	62.3	63.0	63.7	63.7	63.7	63.7	63.7	63.8	63.8	64.1	64.2	64.2
GE 3000	28.0	61.4	63.3	64.0	65.4	65.7	66.6	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.7	67.8	67.8
GE 2500	28.3	64.1	66.2	66.9	68.4	68.7	69.8	70.5	70.5	70.5	70.5	70.5	70.6	70.6	71.0	71.1	71.1
GE 2000	28.6	65.8	68.1	68.8	70.4	70.9	72.0	72.9	72.9	72.9	73.0	73.0	73.1	73.1	73.4	73.5	73.5
GE 1800	28.7	66.1	68.4	69.1	70.8	71.2	72.4	73.2	73.2	73.2	73.3	73.3	73.4	73.4	73.8	73.9	73.9
GE 1500	29.0	68.1	70.6	71.4	73.1	73.5	74.7	75.7	75.7	75.7	75.8	75.8	75.9	75.9	76.2	76.3	76.3
GE 1200	29.1	68.5	71.1	72.2	74.5	74.9	76.3	77.3	77.3	77.3	77.4	77.4	77.5	77.5	77.8	78.0	78.0
GE 1000	29.4	69.5	72.3	73.4	76.2	76.8	78.2	79.1	79.1	79.1	79.2	79.2	79.4	79.4	79.7	79.8	79.8
GE 900	29.4	70.0	72.8	74.1	77.0	77.5	79.0	80.1	80.2	80.2	80.3	80.3	80.4	80.4	80.8	80.9	80.9
GE 800	29.4	70.2	73.2	74.9	78.1	78.6	80.1	81.3	81.6	81.6	81.7	81.7	81.8	81.8	82.2	82.3	82.3
GE 700	29.4	70.2	73.3	75.2	78.4	78.9	80.6	81.9	82.3	82.3	82.4	82.4	82.5	82.5	82.8	82.9	82.9
GE 600	29.4	70.3	73.5	75.8	79.1	79.9	82.0	83.9	84.2	84.4	84.5	84.5	84.6	84.6	84.9	85.1	85.1
GE 500	29.4	70.3	73.5	75.9	79.2	80.1	82.7	85.5	86.0	86.2	86.3	86.3	86.6	86.6	86.9	87.0	87.0
GE 400	29.4	70.4	73.7	76.1	79.6	80.4	83.4	86.7	87.6	88.7	88.9	88.9	89.2	89.2	89.7	89.9	89.9
GE 300	29.4	70.4	73.7	76.1	79.6	80.4	83.4	86.8	88.3	90.2	91.3	91.6	92.6	92.9	93.4	93.7	93.7
GE 200	29.4	70.4	73.8	76.2	79.7	80.5	83.5	86.9	88.4	90.6	92.0	92.4	93.4	94.4	95.7	96.9	96.9
GE 100	29.4	70.4	73.8	76.2	79.7	80.5	83.7	87.0	88.6	90.9	92.4	92.7	93.8	94.8	96.5	99.9	99.9
GE 0	29.4	70.4	73.8	76.2	79.7	80.5	83.7	87.0	88.6	90.9	92.4	92.7	93.8	94.8	96.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.4	34.8	35.2	36.1	36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 20000	26.0	42.6	43.2	44.6	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 18000	26.2	42.8	43.4	44.8	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 16000	26.2	43.0	43.7	45.1	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 14000	27.5	44.5	45.2	46.6	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 12000	28.9	47.5	48.3	49.8	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 10000	31.0	51.3	52.0	53.5	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 9000	31.8	52.2	52.9	54.4	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000	32.5	54.5	55.3	56.8	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 7000	33.0	55.5	56.3	58.0	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 6000	33.7	57.8	58.7	60.4	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 5000	33.9	60.5	61.5	63.2	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 4500	34.3	63.4	64.5	66.5	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4000	35.5	66.5	67.6	69.8	70.4	70.4	70.4	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3500	37.2	71.8	73.0	75.3	76.0	76.0	76.0	76.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3000	38.9	76.6	77.8	80.1	81.4	81.5	81.5	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2500	39.4	79.0	80.4	82.8	84.1	84.2	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2000	39.8	81.2	82.8	85.5	87.0	87.1	87.6	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1800	40.1	81.6	83.2	85.9	87.4	87.5	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1500	40.4	83.2	85.3	88.1	89.9	90.1	90.6	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	40.4	83.8	85.9	89.1	91.2	91.5	92.2	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	40.5	84.2	86.3	89.9	92.5	92.8	93.4	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 900	40.5	84.3	86.5	90.1	92.9	93.3	94.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 800	40.5	84.5	86.7	90.3	93.1	93.8	94.6	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 700	40.5	84.5	86.8	90.5	93.4	94.2	95.4	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 600	40.5	84.5	86.8	90.5	93.4	94.2	95.7	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	40.5	84.5	86.8	90.6	93.8	94.6	96.3	97.6	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	40.5	84.5	86.8	90.6	93.8	94.6	96.3	98.0	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	40.5	84.5	86.8	90.6	93.8	94.6	96.3	98.1	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	40.5	84.5	86.8	90.6	93.8	94.6	96.3	98.1	98.9	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	40.5	84.5	86.8	90.6	93.8	94.6	96.3	98.1	98.9	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	40.5	84.5	86.8	90.6	93.8	94.6	96.3	98.1	98.9	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.3	40.9	42.0	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 20000	35.8	48.9	50.1	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 18000	36.0	49.2	50.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 16000	36.2	49.7	51.0	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 14000	38.4	53.3	54.6	54.8	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	39.4	56.5	57.7	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 10000	40.5	59.2	60.5	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 9000	40.8	59.7	61.0	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 8000	41.8	63.3	64.7	65.3	65.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 7000	42.9	66.1	67.7	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 6000	43.0	67.3	68.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 5000	44.0	70.8	72.4	72.9	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4500	45.1	73.7	75.3	75.8	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 4000	45.8	77.0	78.6	79.2	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3500	46.6	81.8	83.5	84.2	85.1	85.1	85.2	85.3	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	47.7	86.2	88.3	89.3	90.6	90.6	90.8	91.1	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4
GE 2500	48.2	88.9	91.2	91.9	93.5	93.5	93.7	94.0	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	48.2	90.0	92.6	93.4	95.2	95.2	95.3	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	48.2	90.1	92.7	93.5	95.3	95.3	95.4	95.8	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	48.2	90.3	93.3	94.2	96.0	96.0	96.1	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	48.2	90.5	93.9	94.8	96.7	96.7	96.8	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	48.2	90.5	94.0	95.1	96.9	96.9	97.0	97.4	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	48.2	90.6	94.1	95.2	97.0	97.1	97.2	97.6	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	48.2	90.6	94.1	95.2	97.0	97.3	97.4	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	48.2	90.6	94.1	95.2	97.0	97.3	97.4	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	48.2	90.8	94.2	95.3	97.1	97.4	97.6	98.2	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	48.2	90.8	94.2	95.3	97.1	97.4	97.6	98.7	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	48.2	90.8	94.2	95.3	97.1	97.4	97.6	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	48.2	90.8	94.2	95.3	97.1	97.4	97.6	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	48.2	90.8	94.2	95.3	97.1	97.4	97.6	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	48.2	90.8	94.2	95.3	97.1	97.4	97.6	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	48.2	90.8	94.2	95.3	97.1	97.4	97.6	99.0	99.4	99.8	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	13.7	44.3	45.5	46.7	47.5	47.7	48.1	48.1	48.1	48.3	48.4	48.4	48.4	48.4	48.4	48.7
GE 20000	14.8	48.7	49.9	51.1	51.9	52.2	52.5	52.5	52.5	52.7	52.8	52.8	52.8	52.8	52.8	53.1
GE 18000	14.8	48.8	50.0	51.2	52.0	52.3	52.6	52.6	52.6	52.8	52.9	52.9	52.9	52.9	52.9	53.2
GE 16000	14.8	48.8	50.0	51.2	52.0	52.3	52.6	52.6	52.6	52.8	52.9	52.9	52.9	52.9	52.9	53.2
GE 14000	15.4	51.4	52.6	53.8	54.6	54.8	55.2	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.8
GE 12000	16.7	55.3	56.5	57.6	58.7	58.9	59.2	59.2	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.9
GE 10000	16.9	59.0	60.2	61.4	62.8	63.0	63.3	63.3	63.3	63.5	63.7	63.7	63.7	63.7	63.7	64.0
GE 9000	16.9	59.4	60.5	61.7	63.1	63.3	63.7	63.7	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.3
GE 8000	17.6	62.9	64.1	65.3	66.8	67.0	67.3	67.3	67.3	67.5	67.6	67.6	67.6	67.6	67.6	68.0
GE 7000	17.7	65.4	66.6	67.7	69.4	69.6	69.9	69.9	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.5
GE 6000	17.7	65.7	66.9	68.1	69.7	69.9	70.2	70.2	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.9
GE 5000	17.8	68.4	69.6	70.8	72.5	72.7	73.0	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.7
GE 4500	18.3	72.7	74.0	75.2	76.9	77.1	77.4	77.4	77.4	77.6	77.7	77.7	77.7	77.7	77.7	78.1
GE 4000	18.5	75.4	76.9	78.1	80.0	80.3	80.9	80.9	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.6
GE 3500	18.7	79.5	81.3	82.5	84.4	84.7	85.3	85.6	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.3
GE 3000	18.9	82.6	84.7	86.2	88.5	88.8	89.5	90.0	90.0	90.5	90.6	90.6	90.6	90.6	90.6	91.0
GE 2500	18.9	85.7	88.6	90.1	92.4	92.7	93.3	93.9	94.0	94.5	94.6	94.6	94.6	94.6	94.6	94.9
GE 2000	18.9	86.3	89.2	90.9	93.1	93.4	94.1	94.7	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.8
GE 1800	18.9	86.5	89.4	91.0	93.2	93.5	94.2	94.8	94.9	95.5	95.6	95.6	95.6	95.6	95.6	95.9
GE 1500	18.9	86.8	90.1	91.7	94.0	94.3	94.9	95.6	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.7
GE 1200	18.9	86.9	90.3	92.0	94.3	94.6	95.3	95.9	96.0	96.6	96.7	96.7	96.7	96.7	96.7	97.0
GE 1000	18.9	87.0	90.5	92.4	94.7	95.1	95.7	96.3	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.7
GE 900	18.9	87.0	90.5	92.4	94.7	95.2	96.1	96.8	97.1	97.8	98.0	98.0	98.0	98.0	98.0	98.3
GE 800	18.9	87.0	90.5	92.4	94.9	95.4	96.3	97.0	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.5
GE 700	18.9	87.1	90.6	92.5	95.1	95.5	96.5	97.1	97.4	98.2	98.3	98.3	98.3	98.3	98.3	98.6
GE 500	18.9	87.1	90.6	92.5	95.1	95.5	96.5	97.1	97.4	98.2	98.3	98.3	98.3	98.3	98.3	98.6
GE 500	18.9	87.1	90.6	92.5	95.1	95.5	96.6	97.3	97.6	98.5	98.6	98.6	98.6	98.6	98.6	98.9
GE 400	18.9	87.1	90.6	92.5	95.1	95.5	96.6	97.3	97.6	98.5	98.6	98.6	98.6	98.6	98.6	98.9
GE 300	18.9	87.1	90.6	92.5	95.1	95.5	96.7	97.5	97.8	98.8	99.0	99.0	99.0	99.0	99.0	99.2
GE 200	18.9	87.1	90.6	92.5	95.1	95.5	96.7	97.5	97.8	98.8	99.0	99.0	99.0	99.0	99.0	99.2
GE 100	18.9	87.1	90.6	92.5	95.1	95.5	96.7	97.5	97.8	98.8	99.0	99.0	99.0	99.0	99.0	99.2
GE 0	18.9	87.1	90.6	92.5	95.1	95.5	96.7	97.5	97.8	98.8	99.0	99.0	99.0	99.0	99.0	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	4.7	41.8	43.7	45.2	48.1	48.6	49.8	50.1	50.5	50.5	51.0	51.0	51.5	51.6	51.9	52.5
GE 20000	4.9	44.1	45.9	47.4	50.3	50.9	52.0	52.4	52.8	52.8	53.2	53.2	53.8	53.9	54.2	54.7
GE 18000	4.9	44.2	46.0	47.5	50.4	51.0	52.2	52.5	52.9	52.9	53.3	53.3	53.9	54.0	54.3	54.8
GE 16000	4.9	44.2	46.0	47.5	50.4	51.0	52.2	52.5	52.9	52.9	53.3	53.3	53.9	54.0	54.3	54.8
GE 14000	4.9	45.6	47.4	48.9	51.8	52.4	53.5	53.9	54.3	54.3	54.7	54.7	55.3	55.4	55.7	56.2
GE 12000	5.2	48.0	49.8	51.3	54.2	54.7	55.9	56.2	56.7	56.7	57.1	57.1	57.6	57.7	58.1	58.6
GE 10000	5.3	52.7	54.6	56.1	59.0	59.6	60.9	61.2	61.6	61.6	62.0	62.0	62.5	62.6	62.7	63.0
GE 9000	5.3	53.1	55.1	56.6	59.5	60.0	61.3	61.6	62.0	62.0	62.5	62.5	63.0	63.1	63.4	64.0
GE 8000	5.4	56.1	58.3	59.8	62.7	63.2	64.6	64.9	65.4	65.4	65.8	65.8	66.3	66.5	66.8	67.3
GE 7000	5.4	58.3	60.4	61.9	64.8	65.4	66.9	67.2	67.6	67.6	68.1	68.1	68.6	68.8	69.1	69.7
GE 6000	5.4	59.1	61.4	62.9	65.9	66.3	67.8	68.2	68.6	68.6	69.0	69.0	69.6	69.8	70.1	70.6
GE 5000	5.4	61.5	63.9	65.4	68.3	68.8	70.4	70.8	71.2	71.2	71.6	71.6	72.2	72.4	72.7	73.2
GE 4500	5.5	65.9	68.4	69.9	72.9	73.4	75.1	75.4	75.8	75.8	76.2	76.2	76.8	77.0	77.3	77.8
GE 4000	5.7	68.5	71.0	72.5	76.1	76.7	78.3	78.6	79.0	79.0	79.5	79.5	80.0	80.2	80.6	81.2
GE 3500	5.7	72.6	75.3	76.9	81.0	81.5	83.2	83.5	84.0	84.0	84.4	84.4	84.9	85.2	85.6	86.1
GE 3000	5.7	74.2	77.0	79.1	83.5	84.1	86.0	86.3	86.8	86.8	87.2	87.2	87.7	88.0	88.4	88.9
GE 2500	5.7	76.9	80.0	82.4	87.0	87.5	89.8	90.1	90.5	90.5	91.0	91.0	91.5	91.7	92.2	92.7
GE 2000	5.7	78.0	81.1	83.5	88.2	88.7	91.0	91.3	91.8	91.8	92.3	92.3	92.8	93.0	93.4	94.0
GE 1800	5.7	78.3	81.4	83.9	88.5	89.0	91.3	91.6	92.2	92.2	92.6	92.6	93.1	93.3	93.8	94.3
GE 1500	5.7	78.7	81.9	84.6	89.5	90.0	92.6	92.9	93.4	93.4	93.9	93.9	94.4	94.6	95.1	95.6
GE 1200	5.7	78.9	82.2	84.8	89.7	90.2	92.8	93.1	93.7	93.7	94.1	94.1	94.6	94.8	95.3	95.8
GE 1000	5.7	79.0	82.3	85.1	89.9	90.4	93.0	93.3	93.9	94.0	94.4	94.4	94.9	95.2	95.6	96.1
GE 900	5.7	79.1	82.4	85.2	90.0	90.5	93.1	93.4	94.0	94.2	94.6	94.6	95.3	95.5	95.9	96.5
GE 800	5.7	79.1	82.4	85.2	90.0	90.5	93.1	93.4	94.0	94.2	94.6	94.6	95.3	95.5	95.9	96.5
GE 700	5.7	79.4	82.6	85.4	90.2	90.8	93.3	93.7	94.2	94.4	94.8	94.8	95.5	95.7	96.1	96.7
GE 600	5.7	79.5	82.7	85.5	90.3	90.9	93.5	93.9	94.4	94.6	95.1	95.1	95.7	95.9	96.3	96.9
GE 500	5.7	79.6	82.8	85.6	90.4	91.0	93.8	94.2	94.7	94.9	95.4	95.4	96.0	96.2	96.7	97.2
GE 400	5.7	79.6	82.8	85.6	90.4	91.0	93.8	94.2	94.7	95.1	95.5	95.5	96.2	96.5	96.9	97.4
GE 300	5.7	79.6	82.8	85.6	90.4	91.0	93.8	94.3	94.8	95.3	95.7	95.7	96.6	96.8	97.2	97.7
GE 200	5.7	79.6	82.8	85.7	90.5	91.1	93.9	94.4	94.9	95.5	95.9	95.9	96.8	97.0	97.6	98.4
GE 100	5.7	79.6	82.8	85.7	90.5	91.1	93.9	94.4	94.9	95.5	95.9	95.9	96.8	97.1	97.8	99.0
GE 0	5.7	79.6	82.8	85.7	90.5	91.1	93.9	94.4	94.9	95.5	95.9	95.9	96.8	97.1	97.8	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	11.8	32.7	34.1	35.3	37.0	37.2	37.8	38.2	38.3	38.6	38.8	38.8	39.2	39.2	39.4	39.9
GE 20000	13.8	36.6	38.0	39.4	41.2	41.3	41.9	42.4	42.5	42.8	43.0	43.0	43.4	43.4	43.7	44.1
GE 18000	13.9	36.8	39.2	39.6	41.4	41.5	42.2	42.6	42.7	43.0	43.2	43.2	43.6	43.7	43.9	44.4
GE 16000	13.9	36.9	38.3	39.7	41.5	41.7	42.3	42.7	42.8	43.1	43.3	43.3	43.7	43.8	44.0	44.5
GE 14000	14.7	38.6	43.1	41.4	43.2	43.4	44.0	44.4	44.6	44.9	45.1	45.1	45.5	45.5	45.8	46.2
GE 12000	15.4	41.0	42.4	43.8	45.7	45.9	46.5	46.9	47.0	47.4	47.6	47.6	48.0	48.0	48.3	48.7
GE 10000	16.1	44.2	45.7	47.2	49.1	49.3	49.9	50.3	50.5	50.8	51.0	51.0	51.4	51.5	51.7	52.2
GE 9000	16.3	44.7	46.2	47.7	49.6	49.8	50.5	50.9	51.0	51.3	51.6	51.6	52.0	52.0	52.3	52.7
GE 8000	16.7	47.8	49.4	50.9	53.0	53.1	53.8	54.3	54.4	54.7	54.9	55.0	55.3	55.4	55.6	56.1
GE 7000	17.1	49.9	51.6	53.1	55.3	55.4	56.1	56.6	56.7	57.0	57.3	57.3	57.7	57.7	58.0	58.4
GE 6000	17.3	51.4	53.1	54.6	56.7	56.9	57.6	58.1	58.2	58.5	58.8	58.8	59.2	59.2	59.5	59.9
GE 5000	17.7	54.9	56.7	58.3	60.5	60.6	61.4	61.9	62.1	62.4	62.7	62.7	63.1	63.1	63.4	63.8
GE 4500	18.2	59.0	61.0	62.6	64.9	65.1	65.9	66.4	66.6	66.9	67.2	67.2	67.6	67.6	67.9	68.3
GE 4000	18.6	61.7	63.8	65.4	67.9	68.1	69.2	69.7	69.9	70.3	70.5	70.5	70.9	71.0	71.3	71.7
GE 3500	19.2	65.5	67.7	69.4	72.1	72.3	73.4	74.0	74.2	74.6	74.9	74.9	75.3	75.4	75.6	76.1
GE 3000	19.7	68.9	71.2	73.2	76.2	76.4	77.6	78.3	78.5	79.0	79.2	79.2	79.6	79.7	80.0	80.4
GE 2500	19.9	71.3	73.9	76.0	79.0	79.2	80.6	81.3	81.5	81.7	82.2	82.2	82.6	82.7	83.0	83.4
GE 2000	20.0	72.7	75.4	77.6	80.8	81.0	82.5	83.2	83.5	83.9	84.2	84.2	84.6	84.7	84.9	85.4
GE 1800	20.1	73.1	75.9	76.1	81.3	81.5	83.0	83.8	84.0	84.4	84.7	84.7	85.1	85.2	85.5	85.9
GE 1500	20.2	74.1	77.2	79.4	82.7	83.0	84.5	85.4	85.6	86.0	86.3	86.4	86.8	86.8	87.1	87.5
GE 1200	20.2	74.5	77.6	80.1	83.5	83.8	85.4	86.2	86.5	86.9	87.2	87.2	87.6	87.7	87.9	88.4
GE 1000	20.3	74.8	78.0	80.6	84.2	84.5	86.1	87.0	87.2	87.7	88.0	88.0	88.4	88.5	88.8	89.2
GE 900	20.3	75.0	78.3	80.8	84.5	84.9	86.6	87.4	87.8	88.2	88.5	88.6	89.0	89.1	89.3	89.8
GE 800	20.3	75.1	78.5	81.1	84.9	85.3	87.0	87.9	88.2	88.7	89.0	89.0	89.4	89.5	89.8	90.2
GE 700	20.3	75.2	78.5	81.2	85.0	85.4	87.2	88.2	88.5	89.0	89.3	89.3	89.7	89.8	90.1	90.5
GE 600	20.3	75.2	78.7	81.4	85.3	85.8	87.7	88.8	89.2	89.7	90.0	90.0	90.5	90.5	90.8	91.3
GE 500	20.3	75.3	78.8	81.6	85.6	86.0	88.1	89.5	90.0	90.6	90.9	91.0	91.4	91.5	91.8	92.2
GE 400	20.3	75.3	78.8	81.6	85.6	86.1	88.3	89.9	90.4	91.2	91.6	91.7	92.2	92.3	92.6	93.1
GE 300	20.3	75.3	78.8	81.7	85.8	86.3	88.4	90.1	90.8	91.9	92.5	92.6	93.3	93.4	93.8	94.4
GE 200	20.3	75.3	78.8	81.7	85.8	86.3	88.6	90.4	91.1	92.3	93.1	93.2	94.2	94.4	95.3	96.3
GE 100	20.3	75.3	78.8	81.7	85.9	86.4	88.6	90.4	91.1	92.4	93.3	93.4	94.5	94.9	96.1	99.0
GE 0	20.3	75.3	78.8	81.7	85.9	86.4	88.6	90.4	91.1	92.4	93.3	93.4	94.5	94.9	96.1	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1.6	24.8	26.1	26.7	28.0	28.1	28.6	29.4	29.4	29.6	30.0	30.0	30.6	30.9	31.1	31.6	
GE 20000	1.7	25.6	26.9	27.4	29.0	29.1	29.6	30.4	30.4	30.6	31.1	31.1	31.7	32.0	32.2	32.7	
GE 18000	1.7	25.6	26.9	27.6	29.3	29.4	29.9	30.8	30.8	30.9	31.4	31.4	32.0	32.3	32.6	33.0	
GE 16000	1.7	25.6	26.9	27.6	29.3	29.4	29.9	30.8	30.8	30.9	31.4	31.4	32.0	32.3	32.6	33.0	
GE 14000	1.7	25.8	27.1	27.8	29.5	29.7	30.1	31.0	31.0	31.1	31.7	31.7	32.2	32.6	32.8	33.2	
GE 12000	1.7	25.9	27.2	27.9	29.7	29.8	30.2	31.1	31.1	31.2	31.8	31.8	32.3	32.7	32.9	33.3	
GE 10000	1.7	29.1	30.7	31.3	33.1	33.2	33.7	34.6	34.6	34.7	35.2	35.2	35.8	36.1	36.3	36.8	
GE 9000	1.7	30.0	32.3	33.0	34.9	34.9	35.3	36.2	36.2	36.3	36.9	36.9	37.4	37.8	38.0	38.4	
GE 8000	1.7	34.1	35.7	36.7	38.7	38.8	39.2	40.1	40.1	40.2	40.8	40.8	41.3	41.7	41.9	42.3	
GE 7000	1.7	36.9	38.4	39.7	41.7	41.8	42.2	43.1	43.1	43.2	43.8	43.8	44.3	44.7	44.9	45.3	
GE 6000	1.7	39.4	41.1	42.3	44.8	44.9	45.3	46.2	46.2	46.3	46.9	46.9	47.4	47.8	48.0	48.4	
GE 5000	1.7	43.1	44.8	46.1	48.6	48.7	49.2	50.1	50.1	50.2	50.8	50.8	51.3	51.8	52.0	52.4	
GE 4500	1.7	48.4	50.4	52.0	54.7	54.8	55.3	56.2	56.2	56.3	56.9	56.9	57.4	57.9	58.1	58.6	
GE 4000	1.7	55.3	57.9	59.9	62.7	62.8	63.3	64.2	64.2	64.3	64.9	64.9	65.4	65.9	66.1	66.6	
GE 3500	1.7	61.0	63.8	65.8	68.7	68.8	69.4	70.3	70.3	70.4	71.0	71.0	71.6	72.0	72.2	72.7	
GE 3000	1.7	65.8	69.0	71.2	74.3	74.7	75.4	76.4	76.4	76.6	77.1	77.1	77.7	78.1	78.3	78.8	
GE 2500	1.7	67.8	71.3	73.6	76.7	77.0	77.8	79.0	79.0	79.1	79.7	79.7	80.2	80.7	80.9	81.3	
GE 2000	1.7	69.1	73.1	75.4	79.0	79.4	80.3	81.6	81.6	81.8	82.3	82.3	82.9	83.3	83.6	84.0	
GE 1800	1.7	69.7	73.8	76.1	79.7	80.1	81.0	82.2	82.2	82.4	83.0	83.0	83.6	84.0	84.2	84.7	
GE 1500	1.7	70.6	75.0	77.6	81.7	82.1	83.0	84.2	84.2	84.4	85.0	85.0	85.6	86.0	86.2	86.7	
GE 1200	1.7	70.9	75.3	78.1	82.2	82.7	83.6	84.8	84.8	85.0	85.6	85.6	86.1	86.6	86.8	87.2	
GE 1000	1.7	71.3	75.9	78.9	83.3	83.8	84.7	86.0	86.0	86.3	86.9	86.9	87.4	87.9	88.3	88.8	
GE 900	1.7	71.3	76.0	79.0	83.6	84.0	85.0	86.3	86.3	86.7	87.2	87.2	87.8	88.2	88.7	89.1	
GE 800	1.7	71.4	76.3	79.3	83.7	84.4	85.4	86.8	86.8	87.1	87.7	87.7	88.2	88.7	89.1	89.6	
GE 700	1.7	71.6	76.4	79.4	84.1	84.7	85.9	87.1	87.1	87.4	88.0	88.0	88.6	89.0	89.4	89.9	
GE 600	1.7	71.8	76.7	79.7	84.7	85.2	86.3	87.7	87.7	88.0	88.6	88.6	89.1	89.6	90.0	90.6	
GE 500	1.7	71.8	76.7	79.7	84.9	85.4	87.1	88.4	88.6	89.0	89.6	89.6	90.1	90.6	91.0	91.6	
GE 400	1.7	71.9	76.8	79.8	85.2	85.9	87.6	89.4	89.7	90.2	90.8	90.8	91.3	91.8	92.2	92.8	
GE 300	1.7	71.9	76.8	79.8	85.2	85.9	87.8	89.7	90.1	90.9	91.9	91.9	92.4	93.0	93.4	94.1	
GE 200	1.7	71.9	76.8	79.8	85.2	85.9	88.0	89.9	90.4	91.3	92.4	92.4	93.1	93.7	94.2	95.3	
GE 100	1.7	71.9	76.8	79.8	85.3	86.0	88.1	90.0	90.6	91.6	92.7	92.7	93.6	94.2	95.3	96.1	
GE 0	1.8	72.0	76.9	79.9	85.4	86.1	88.2	90.1	90.7	91.7	92.8	92.8	93.8	94.4	95.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	1.2	25.4	26.0	26.8	28.0	28.2	29.0	29.2	29.3	29.8	29.9	30.0	30.3	30.4	30.7	30.7	
GE 20000	1.2	26.1	26.7	27.4	28.7	28.9	29.7	29.9	30.0	30.4	30.6	30.7	31.0	31.1	31.3	31.3	
GE 18000	1.2	26.1	26.7	27.4	28.7	28.9	29.7	29.9	30.0	30.4	30.6	30.7	31.0	31.1	31.3	31.3	
GE 16000	1.2	26.1	26.7	27.4	28.7	28.9	29.7	29.9	30.0	30.4	30.6	30.7	31.0	31.1	31.3	31.3	
GE 14000	1.6	26.8	27.4	28.4	29.8	30.0	30.8	31.0	31.1	31.6	31.7	31.8	32.1	32.2	32.4	32.4	
GE 12000	1.6	26.9	27.6	28.6	29.9	30.1	30.9	31.1	31.2	31.7	31.8	31.9	32.2	32.3	32.6	32.6	
GE 10000	1.6	29.6	30.4	31.6	33.2	33.4	34.2	34.4	34.6	35.0	35.1	35.2	35.6	35.7	35.9	35.9	
GE 9000	1.6	30.7	31.6	32.7	34.3	34.6	35.3	35.6	35.7	36.1	36.2	36.3	36.7	36.8	37.0	37.0	
GE 8000	1.6	33.8	34.8	36.1	37.8	38.0	39.0	39.2	39.3	39.9	40.0	40.1	40.4	40.6	40.8	40.8	
GE 7000	1.6	37.7	39.7	40.0	41.7	41.9	42.9	43.1	43.2	43.8	43.9	44.0	44.3	44.4	44.7	44.7	
GE 6000	1.6	38.6	39.7	41.0	43.1	43.3	44.4	44.7	44.8	45.3	45.4	45.6	45.9	46.0	46.2	46.2	
GE 5000	1.6	42.1	43.3	44.7	46.9	47.1	48.4	48.8	48.9	49.4	49.6	49.7	50.0	50.1	50.3	50.3	
GE 4500	1.6	48.6	51.0	52.4	54.7	54.9	56.2	56.6	56.7	57.2	57.3	57.4	57.8	57.9	58.1	58.1	
GE 4000	1.6	54.0	56.9	58.6	60.9	61.1	62.4	62.8	62.9	63.4	63.6	63.7	64.0	64.1	64.3	64.3	
GE 3500	1.6	60.4	63.6	65.2	67.7	68.0	69.3	69.7	69.8	70.3	70.4	70.6	71.1	71.2	71.4	71.4	
GE 3000	1.6	64.7	68.3	70.2	73.0	73.3	74.7	75.1	75.2	75.8	76.0	76.1	76.7	76.8	77.0	77.0	
GE 2500	1.6	66.6	70.6	72.7	75.9	76.2	77.6	78.2	78.3	78.9	79.1	79.2	79.8	79.9	80.1	80.1	
GE 2000	1.6	67.9	71.9	74.0	77.4	77.8	79.1	79.8	79.9	80.4	80.7	80.8	81.3	81.4	81.7	81.7	
GE 1800	1.6	68.4	72.4	74.6	78.2	78.6	79.9	80.6	80.7	81.2	81.4	81.6	82.1	82.2	82.4	82.4	
GE 1500	1.6	70.9	75.0	77.2	81.0	81.3	82.7	83.3	83.4	84.0	84.2	84.3	84.9	85.0	85.2	85.2	
GE 1200	1.6	71.1	75.2	77.6	81.3	81.7	83.0	83.7	83.8	84.3	84.6	84.7	85.2	85.3	85.6	85.6	
GE 1000	1.6	71.3	75.4	77.8	81.7	82.0	83.3	84.0	84.1	84.7	84.9	85.0	85.7	85.8	86.0	86.0	
GE 900	1.6	71.3	75.4	78.0	82.0	82.3	84.1	84.8	84.9	85.7	85.9	86.0	86.7	86.8	87.0	87.0	
GE 800	1.6	71.3	75.4	78.1	82.1	82.4	84.2	84.9	85.0	85.9	86.1	86.2	86.9	87.0	87.2	87.2	
GE 700	1.6	71.3	75.6	78.3	82.4	82.9	84.8	85.4	85.6	86.4	86.7	86.8	87.4	87.6	87.8	87.8	
GE 600	1.6	71.6	75.9	78.7	83.2	83.7	85.6	86.2	86.3	87.3	87.7	87.8	88.4	88.6	88.8	88.9	
GE 500	1.6	71.6	75.9	78.7	83.2	83.8	86.0	86.8	86.9	87.9	88.3	88.4	89.1	89.2	89.4	89.6	
GE 400	1.6	71.6	75.9	78.7	83.6	84.1	86.9	88.2	88.3	89.3	89.8	89.9	90.6	90.7	90.9	91.1	
GE 300	1.6	71.6	75.9	78.7	83.8	84.3	87.4	88.8	89.2	90.3	91.0	91.4	92.2	92.3	92.7	93.3	
GE 200	1.6	71.6	75.9	78.7	84.0	84.6	88.1	89.6	90.2	91.4	92.3	92.9	94.0	94.2	95.2	96.2	
GE 100	1.6	71.6	75.9	78.7	84.0	84.6	88.1	89.6	90.3	91.6	92.8	93.3	94.7	95.1	96.6	98.8	
GE 0	1.6	71.6	75.9	78.7	84.0	84.6	88.1	89.6	90.3	91.6	92.8	93.3	94.7	95.2	96.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	VISIBILITY IN STATUTE MILES									
								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	7.6	21.1	21.9	23.7	24.4	24.4	25.0	25.4	25.6	25.8	26.3	26.3	26.7	26.7	27.1	27.2
GE 20000	1	7.7	22.3	23.3	25.1	25.9	25.9	26.4	27.0	27.3	27.6	28.2	28.2	28.6	28.6	29.0	29.1
GE 18000	1	7.8	22.6	23.6	25.3	26.1	26.1	26.8	27.3	27.7	27.9	28.6	28.6	28.9	28.9	29.3	29.4
GE 16000	1	7.8	22.7	23.7	25.4	26.2	26.2	26.9	27.4	27.8	28.0	28.7	28.7	29.0	29.0	29.4	29.6
GE 14000	1	8.6	24.6	25.8	27.6	28.3	28.3	29.0	29.6	29.9	30.1	30.8	30.8	31.1	31.1	31.6	31.7
GE 12000	1	8.9	25.7	26.9	28.7	29.4	29.4	30.1	30.7	31.0	31.2	31.9	31.9	32.2	32.2	32.7	32.8
GE 10000	1	9.2	28.1	29.4	31.2	32.2	32.2	32.9	33.4	33.8	34.0	34.7	34.7	35.0	35.0	35.7	35.8
GE 9000	1	9.2	28.7	30.0	31.8	32.8	32.8	33.4	34.0	34.3	34.6	35.2	35.2	35.6	35.6	36.2	36.3
GE 8000	1	9.3	32.1	33.4	35.3	36.4	36.6	37.2	37.9	38.2	38.6	39.2	39.2	39.6	39.6	40.2	40.3
GE 7000	1	9.8	34.8	36.2	38.1	39.2	39.3	40.0	40.7	41.0	41.3	42.0	42.0	42.3	42.3	43.0	43.1
GE 6000	1	9.8	35.8	37.2	39.1	40.2	40.3	41.1	41.8	42.1	42.4	43.1	43.1	43.4	43.4	44.1	44.2
GE 5000	1	10.1	40.0	41.4	43.5	44.7	44.8	45.7	46.4	46.8	47.1	47.8	47.8	48.1	48.1	48.8	48.9
GE 4500	1	11.0	47.7	49.6	51.8	53.3	53.4	54.3	55.1	55.6	55.9	56.6	56.6	56.9	56.9	57.6	57.7
GE 4000	1	11.6	52.1	54.4	56.7	58.2	58.3	59.2	60.1	60.7	61.0	61.8	61.8	62.1	62.1	62.8	62.9
GE 3500	1	12.0	58.6	61.2	63.4	65.2	65.4	66.4	67.6	68.1	68.4	69.2	69.2	69.6	69.6	70.2	70.3
GE 3000	1	12.7	63.3	66.3	68.6	70.8	71.1	72.4	73.8	74.3	74.7	75.4	75.4	75.9	75.9	76.6	76.7
GE 2500	1	12.7	66.7	70.1	72.8	75.1	75.4	76.8	78.1	78.8	79.1	79.9	79.9	80.3	80.3	81.0	81.1
GE 2000	1	12.7	68.1	71.7	74.6	77.1	77.6	78.9	80.2	80.9	81.2	82.1	82.1	82.6	82.6	83.2	83.3
GE 1800	1	12.7	68.7	72.2	75.1	77.7	78.1	79.4	80.8	81.4	81.8	82.7	82.7	83.1	83.1	83.8	83.9
GE 1500	1	12.7	70.3	73.9	76.9	79.4	80.0	81.4	82.8	83.6	83.9	84.8	84.8	85.2	85.2	85.9	86.0
GE 1200	1	12.7	71.4	75.0	78.3	81.0	81.6	83.1	84.6	85.3	85.7	86.6	86.6	87.0	87.0	87.7	87.8
GE 1000	1	12.7	71.6	75.2	78.6	81.3	81.9	83.6	85.0	85.8	86.2	87.1	87.1	87.6	87.6	88.2	88.3
GE 900	1	12.7	71.7	75.4	79.1	82.0	82.6	84.4	86.0	86.8	87.2	88.2	88.2	88.7	88.7	89.3	89.4
GE 800	1	12.7	71.9	75.7	79.3	82.3	82.9	84.8	86.3	87.1	87.6	88.6	88.6	89.0	89.0	89.8	89.9
GE 700	1	12.7	72.0	75.8	79.6	82.4	83.3	85.3	86.9	87.7	88.1	89.1	89.1	89.7	89.7	90.4	90.6
GE 600	1	12.7	72.2	76.2	80.0	83.3	83.9	85.9	87.4	88.2	88.7	89.7	89.7	90.2	90.2	91.0	91.3
GE 500	1	12.7	72.2	76.2	80.1	83.4	84.0	86.1	87.7	88.4	88.9	89.9	89.9	90.4	90.4	91.2	91.6
GE 400	1	12.7	72.2	76.2	80.1	83.6	84.1	86.6	88.4	89.2	89.7	90.7	90.7	91.3	91.3	92.2	92.6
GE 300	1	12.7	72.2	76.2	80.2	83.7	84.2	87.0	89.0	89.9	90.3	91.6	91.6	92.4	92.4	93.4	93.9
GE 200	1	12.7	72.2	76.2	80.2	83.7	84.3	87.3	89.4	90.6	91.2	92.8	92.8	94.0	94.0	95.6	96.3
GE 100	1	12.7	72.2	76.2	80.2	83.7	84.3	87.3	89.6	90.7	91.4	93.0	93.0	94.4	94.4	96.6	98.8
GE 0	1	12.7	72.2	76.2	80.2	83.7	84.3	87.3	89.6	90.7	91.4	93.0	93.0	94.4	94.4	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	13.2	20.6	21.0	21.2	22.0	22.0	22.1	22.1	22.1	22.2	22.3	22.3	22.4	22.4	22.6	22.9
GE 20000	14.8	23.8	24.2	24.6	25.3	25.3	25.4	25.4	25.4	25.6	25.7	25.7	25.8	25.8	25.9	26.2
GE 18000	15.1	24.6	25.1	25.4	26.2	26.2	26.3	26.3	26.3	26.4	26.6	26.6	26.7	26.7	26.8	27.1
GE 16000	15.8	25.7	26.2	26.6	27.3	27.3	27.4	27.4	27.4	27.6	27.7	27.7	27.8	27.8	27.9	28.2
GE 14000	16.8	27.8	28.4	28.8	29.6	29.6	29.7	29.7	29.7	29.8	29.9	29.9	30.0	30.0	30.1	30.4
GE 12000	18.0	30.4	31.1	31.4	32.2	32.2	32.3	32.3	32.3	32.4	32.6	32.6	32.7	32.7	32.8	33.1
GE 10000	19.8	34.3	35.0	35.3	36.2	36.2	36.3	36.4	36.4	36.8	36.9	36.9	37.0	37.0	37.1	37.4
GE 9000	20.2	35.2	35.9	36.2	37.1	37.1	37.2	37.3	37.3	37.7	37.8	37.8	37.9	37.9	38.0	38.3
GE 8000	20.9	41.0	41.8	42.1	43.0	43.0	43.1	43.2	43.3	43.7	43.8	43.8	43.9	43.9	44.0	44.3
GE 7000	22.1	43.8	44.6	44.9	45.8	45.8	45.9	46.0	46.1	46.4	46.6	46.6	46.7	46.7	46.8	47.1
GE 6000	22.3	45.9	46.7	47.0	47.9	47.9	48.0	48.1	48.2	48.6	48.7	48.7	48.8	48.8	48.9	49.2
GE 5000	23.0	49.1	50.1	50.4	51.4	51.6	51.7	51.8	51.9	52.2	52.3	52.3	52.4	52.4	52.6	53.0
GE 4500	24.0	54.1	55.2	55.8	57.1	57.2	57.3	57.4	57.6	57.9	58.0	58.0	58.1	58.1	58.2	58.7
GE 4000	25.3	59.4	61.0	61.7	63.1	63.2	63.3	63.6	63.8	64.1	64.2	64.2	64.3	64.3	64.4	64.9
GE 3500	26.2	64.1	65.8	67.1	68.8	68.9	69.0	69.2	69.4	69.8	69.9	69.9	70.0	70.0	70.1	70.6
GE 3000	27.2	68.3	70.2	71.9	73.9	74.1	74.3	74.6	74.8	75.1	75.2	75.2	75.3	75.3	75.4	75.9
GE 2500	27.4	70.0	72.2	74.1	76.2	76.6	77.3	77.6	77.8	78.1	78.2	78.2	78.3	78.3	78.4	78.9
GE 2000	27.4	72.1	74.8	77.1	79.3	79.8	80.6	80.8	81.0	81.3	81.4	81.4	81.7	81.7	81.8	82.2
GE 1800	27.6	72.8	75.6	77.9	80.2	80.7	81.4	81.7	81.9	82.2	82.3	82.3	82.6	82.6	82.7	83.1
GE 1500	27.7	74.4	77.6	80.2	82.9	83.3	84.1	84.3	84.6	85.0	85.1	85.1	85.3	85.3	85.4	85.9
GE 1200	27.7	74.9	78.0	80.7	83.3	83.8	84.8	85.0	85.3	85.8	85.9	85.9	86.1	86.1	86.2	86.7
GE 1000	27.7	75.1	78.3	81.1	84.2	84.8	85.8	86.0	86.3	86.8	86.9	86.9	87.1	87.1	87.2	87.7
GE 900	27.7	75.2	78.6	81.3	84.4	85.0	86.1	86.4	86.8	87.2	87.3	87.3	87.6	87.6	87.7	88.1
GE 800	27.8	75.4	78.8	81.7	84.9	85.4	86.6	87.2	87.7	88.2	88.3	88.3	88.6	88.6	88.7	89.1
GE 700	27.8	75.4	78.8	81.7	84.9	85.4	86.7	87.4	88.0	88.7	88.8	88.8	89.1	89.1	89.2	89.7
GE 600	27.8	75.7	79.0	82.0	85.2	85.9	87.1	87.9	88.4	89.1	89.2	89.2	89.6	89.6	89.7	90.1
GE 500	27.8	75.8	79.1	82.1	85.4	86.3	87.9	88.7	89.2	90.1	90.2	90.2	90.7	90.7	90.9	91.3
GE 400	27.8	75.9	79.2	82.2	85.7	86.6	88.3	89.2	89.9	90.9	91.2	91.3	91.8	91.8	92.2	92.7
GE 300	27.8	75.9	79.3	82.3	85.9	86.8	88.8	89.7	90.6	91.8	92.3	92.4	93.2	93.3	94.1	94.6
GE 200	27.8	75.9	79.3	82.3	85.9	86.8	88.8	89.7	90.7	91.9	93.1	93.3	94.4	95.1	96.9	98.1
GE 100	27.8	75.9	79.3	82.3	85.9	86.8	88.8	89.7	90.7	91.9	93.1	93.3	94.7	95.3	97.6	99.9

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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.7	22.1	22.4	22.6	22.8	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
GE 20000	19.2	26.2	26.7	26.8	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 18000	20.0	27.7	28.1	28.2	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 16000	20.2	28.3	28.8	28.9	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
GE 14000	21.7	30.7	31.1	31.2	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
GE 12000	22.9	33.0	33.7	33.9	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
GE 10000	24.2	37.7	38.7	38.9	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 9000	24.4	38.1	39.1	39.3	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 8000	26.2	44.2	45.2	45.4	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 7000	27.4	47.3	48.3	48.6	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 6000	28.0	49.3	50.6	50.8	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 5000	28.9	52.9	54.1	54.3	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 4500	29.7	57.0	58.3	59.0	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 4000	31.4	63.6	65.2	65.9	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3500	32.3	69.6	71.4	72.4	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3000	33.2	74.3	76.3	77.4	78.2	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 2500	33.4	77.3	79.9	81.0	82.1	82.3	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2000	33.6	80.0	82.8	84.0	85.4	85.9	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1800	33.6	80.6	83.3	84.6	86.0	86.6	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1500	33.6	81.9	84.8	86.6	88.2	88.8	89.8	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1200	33.6	82.0	84.9	86.7	88.4	89.0	90.0	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1000	33.6	82.2	85.1	87.0	89.2	89.9	90.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 900	33.6	82.4	85.6	87.4	89.7	90.3	91.3	92.3	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8
GE 800	33.6	82.8	85.9	87.9	90.1	90.8	91.8	93.0	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 700	33.6	82.8	85.9	87.9	90.1	90.9	92.1	93.6	93.9	94.0	94.0	94.0	94.1	94.2	94.3	94.3
GE 600	33.6	82.8	86.2	88.5	90.7	91.7	93.2	94.7	95.3	95.4	95.4	95.4	95.6	95.7	95.8	95.8
GE 500	33.6	82.8	86.3	88.4	90.8	91.9	93.6	95.0	96.2	96.3	96.3	96.3	96.4	96.6	96.7	96.7
GE 400	33.6	82.8	86.3	88.4	90.8	92.0	93.9	95.6	97.3	97.7	97.7	97.8	97.8	97.9	98.0	98.2
GE 300	33.6	82.8	86.3	88.7	91.0	92.3	94.2	96.1	97.9	98.6	98.6	98.9	98.9	99.0	99.4	99.4
GE 200	33.6	82.8	86.3	88.7	91.0	92.3	94.2	96.2	98.0	98.7	98.7	99.0	99.0	99.1	99.3	99.8
GE 100	33.6	82.8	86.3	88.7	91.0	92.3	94.2	96.2	98.0	98.7	99.0	99.0	99.1	99.3	99.8	100.0
GE 0	33.6	82.8	86.3	88.7	91.0	92.3	94.2	96.2	98.0	98.7	99.0	99.0	99.1	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 U.S. AFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.1	24.6	24.7	24.9	24.9	24.9	24.9	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.2	25.2
GE 20000	18.7	29.2	29.3	29.6	29.6	29.7	29.7	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.0	30.0
GE 18000	18.9	29.6	29.7	29.9	29.9	29.9	30.0	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.3	30.3
GE 16000	19.9	31.0	31.1	31.3	31.3	31.4	31.4	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.8	31.8
GE 14000	21.2	33.7	33.8	34.0	34.0	34.1	34.1	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.4	34.4
GE 12000	22.3	35.4	35.6	35.9	35.9	36.0	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.3	36.3
GE 10000	23.2	38.6	39.7	39.0	39.1	39.2	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.6	39.6
GE 9000	23.4	39.0	39.1	39.4	39.6	39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.0
GE 8000	25.1	43.6	43.8	44.1	44.4	44.4	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9
GE 7000	26.0	47.3	47.7	48.0	48.3	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8
GE 6000	26.6	48.9	49.6	49.9	50.2	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7
GE 5000	27.3	52.3	53.2	53.6	54.0	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
GE 4500	28.1	55.9	56.8	57.1	57.9	58.0	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
GE 4000	29.7	63.0	64.0	64.3	65.4	65.6	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2
GE 3500	30.0	68.1	69.7	70.0	71.1	71.2	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9
GE 3000	30.4	74.6	77.0	77.6	79.2	79.3	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
GE 2500	30.7	77.7	80.9	81.8	83.8	83.9	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9
GE 2000	30.7	79.9	83.8	85.2	87.4	87.6	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9
GE 1800	30.7	80.1	84.0	85.4	87.7	87.8	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3
GE 1500	30.7	81.6	85.8	87.4	89.8	89.9	91.1	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9
GE 1200	30.7	81.8	86.0	87.9	90.3	90.4	91.8	92.3	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.9	92.9
GE 1000	30.7	81.8	86.0	88.0	90.9	91.2	92.8	93.4	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.2	94.2
GE 900	30.7	81.8	86.0	88.0	90.9	91.2	92.9	93.7	93.8	94.1	94.4	94.4	94.4	94.4	94.4	94.6	94.6
GE 800	30.7	81.8	86.0	88.0	90.9	91.2	93.0	93.9	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.8	94.8
GE 700	30.7	82.0	86.2	88.2	91.1	91.4	93.6	94.4	94.9	95.3	95.7	95.7	95.7	95.7	95.8	95.9	95.9
GE 600	30.7	82.0	86.2	88.2	91.2	91.6	94.2	95.1	95.6	96.1	96.4	96.4	96.4	96.4	96.7	96.8	96.8
GE 500	30.7	82.0	86.2	88.2	91.7	92.0	94.7	95.6	96.1	96.7	97.0	97.0	97.0	97.1	97.2	97.3	97.3
GE 400	30.7	82.1	86.3	88.3	91.8	92.1	94.8	95.7	96.4	97.0	97.6	97.6	97.6	97.7	97.8	97.9	97.9
GE 300	30.7	82.1	86.3	88.3	91.8	92.1	95.0	96.0	96.8	97.3	98.2	98.2	98.4	98.6	98.7	98.9	98.9
GE 200	30.7	82.1	86.3	88.3	91.8	92.1	95.0	96.1	96.9	97.6	98.6	98.6	98.6	98.8	98.9	99.2	99.8
GE 100	30.7	82.1	86.3	88.3	91.8	92.1	95.0	96.1	96.9	97.6	98.6	98.6	98.6	98.8	98.9	99.2	100.0
GE 0	30.7	82.1	86.3	88.3	91.8	92.1	95.0	96.1	96.9	97.6	98.6	98.6	98.6	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

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	4.2	27.9	28.3	28.6	29.3	29.3	29.6	29.6	29.7	29.8	29.8	29.8	29.9	30.1	30.3	30.6	
GE 20000	4.8	30.0	30.4	30.7	31.4	31.4	31.7	31.7	31.8	32.1	32.1	32.1	32.2	32.4	32.7	32.9	
GE 18000	4.8	30.0	30.4	30.7	31.4	31.4	31.7	31.7	31.8	32.1	32.1	32.1	32.2	32.4	32.7	32.9	
GE 16000	4.8	30.1	30.6	30.8	31.6	31.7	31.9	31.9	32.0	32.3	32.3	32.3	32.4	32.7	32.9	33.1	
GE 14000	4.8	31.4	31.9	32.1	32.9	33.0	33.2	33.2	33.3	33.7	33.7	33.7	33.8	34.0	34.2	34.4	
GE 12000	4.8	33.0	33.4	33.7	34.6	34.7	34.9	34.9	35.0	35.3	35.3	35.3	35.4	35.7	35.9	36.1	
GE 10000	4.8	36.6	37.1	37.3	38.4	38.6	38.8	38.8	38.9	39.2	39.2	39.2	39.3	39.6	39.8	40.0	
GE 9000	4.8	37.8	38.3	38.6	39.8	39.9	40.1	40.1	40.2	40.6	40.6	40.6	40.7	40.9	41.1	41.3	
GE 8000	4.8	42.1	42.7	42.9	44.1	44.4	44.8	44.8	44.9	45.2	45.2	45.2	45.3	45.6	45.8	46.0	
GE 7000	4.8	45.4	46.0	46.2	47.4	47.8	48.1	48.1	48.2	48.6	48.6	48.6	48.7	48.9	49.1	49.3	
GE 6000	5.1	47.3	47.9	48.1	49.3	49.7	50.0	50.0	50.1	50.4	50.4	50.4	50.6	50.8	51.0	51.2	
GE 5000	5.1	51.4	52.2	52.6	54.0	54.3	55.1	55.2	55.3	55.7	55.7	55.7	55.8	56.0	56.2	56.4	
GE 4500	5.1	55.4	56.7	57.5	59.1	59.4	60.2	60.3	60.4	60.8	60.8	60.8	60.9	61.1	61.3	61.6	
GE 4000	5.1	62.1	63.6	64.4	66.2	66.6	67.3	67.4	67.6	67.9	67.9	67.9	68.0	68.2	68.4	68.7	
GE 3500	5.1	66.7	69.0	70.1	72.1	72.4	73.2	73.3	73.4	73.8	73.8	73.8	73.9	74.1	74.3	74.6	
GE 3000	5.2	72.0	74.9	76.4	78.6	78.9	79.7	79.8	79.9	80.2	80.4	80.4	80.6	80.8	81.0	81.2	
GE 2500	5.2	74.9	78.6	80.4	82.6	82.9	83.7	84.1	84.2	84.6	84.8	84.8	84.9	85.1	85.3	85.6	
GE 2000	5.2	77.1	80.9	83.2	86.0	86.3	87.6	88.0	88.1	88.4	88.7	88.7	88.8	89.0	89.2	89.4	
GE 1800	5.2	77.4	81.2	84.0	86.8	87.1	88.3	88.8	88.9	89.2	89.4	89.4	89.6	89.8	90.0	90.2	
GE 1500	5.2	78.0	81.9	84.9	87.8	88.1	89.3	89.8	89.9	90.6	90.8	90.8	90.9	91.1	91.3	91.6	
GE 1200	5.2	78.0	81.9	85.2	88.1	88.4	89.7	90.3	90.4	91.1	91.3	91.3	91.4	91.7	91.9	92.1	
GE 1000	5.2	78.1	82.0	85.3	88.2	88.6	89.8	90.4	90.6	91.2	91.6	91.6	91.7	91.9	92.1	92.3	
GE 900	5.2	78.1	82.0	85.3	88.2	88.6	90.2	91.1	91.2	92.0	92.3	92.3	92.4	92.7	92.9	93.1	
GE 800	5.2	78.1	82.0	85.4	88.3	88.8	90.6	91.6	91.7	92.4	92.8	92.8	92.9	93.1	93.3	93.6	
GE 700	5.2	78.1	82.0	85.4	88.3	88.8	90.6	91.9	92.0	92.8	93.1	93.1	93.2	93.4	93.7	93.9	
GE 600	5.2	78.2	82.1	85.8	88.8	89.2	91.4	92.8	92.9	93.8	94.1	94.1	94.3	94.6	94.8	95.0	
GE 500	5.2	78.2	82.1	86.1	89.1	89.8	92.0	93.3	93.6	94.4	94.8	94.8	95.0	95.2	95.4	95.7	
GE 400	5.2	78.2	82.1	86.1	89.1	89.8	92.2	93.7	93.9	94.8	95.2	95.2	95.4	95.7	95.9	96.1	
GE 300	5.2	78.2	82.1	86.1	89.1	89.8	92.3	94.1	94.4	95.4	95.9	95.9	96.1	96.3	96.6	97.0	
GE 200	5.2	78.2	82.1	86.1	89.1	89.8	92.4	94.4	94.8	95.8	96.4	96.4	96.9	97.1	97.7	98.6	
GE 100	5.2	78.2	82.1	86.1	89.1	89.8	92.4	94.4	94.8	95.8	96.4	96.4	97.0	97.2	97.9	99.4	
GE	0	5.2	78.2	82.1	86.1	89.1	89.8	92.4	94.4	94.8	95.8	96.4	96.4	97.0	97.2	97.9	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	3.0	25.6	26.8	27.3	27.8	28.2	28.4	28.9	29.1	29.4	30.0	30.1	30.1	30.1	30.2	30.6
GE 20000	3.0	27.6	29.0	29.6	30.0	30.6	30.8	31.4	31.7	32.0	32.6	32.7	32.7	32.7	32.8	33.1
GE 18000	3.1	28.0	29.4	30.0	30.4	31.0	31.2	31.9	32.1	32.4	33.0	33.1	33.1	33.1	33.2	33.6
GE 16000	3.1	28.0	29.4	30.0	30.4	31.0	31.2	31.9	32.2	32.6	33.1	33.2	33.2	33.2	33.3	33.7
GE 14000	3.1	28.7	33.1	30.7	31.1	31.7	31.9	32.6	32.9	33.2	33.8	33.9	33.9	33.9	34.0	34.3
GE 12000	3.2	29.8	31.3	31.9	32.3	32.9	33.1	33.8	34.1	34.4	35.0	35.1	35.1	35.1	35.2	35.6
GE 10000	3.3	32.6	34.1	34.8	35.2	35.8	36.0	36.7	37.0	37.3	37.9	38.0	38.0	38.0	38.1	38.4
GE 9000	3.3	34.0	35.6	36.2	36.9	37.4	37.7	38.3	38.7	39.0	39.6	39.7	39.7	39.7	39.8	40.1
GE 8000	3.3	38.0	39.6	40.2	40.9	41.4	41.8	42.7	43.0	43.3	43.9	44.0	44.0	44.0	44.1	44.4
GE 7000	3.3	41.7	43.3	44.1	44.8	45.3	45.7	46.6	46.9	47.2	47.8	47.9	47.9	47.9	48.0	48.3
GE 6000	3.4	43.3	45.1	45.9	46.8	47.3	47.7	48.6	48.9	49.2	49.8	49.9	49.9	49.9	50.0	50.3
GE 5000	3.4	47.8	49.6	51.0	52.4	53.0	53.3	54.2	54.6	54.9	55.4	55.6	55.6	55.6	55.7	56.0
GE 4500	3.4	53.2	55.2	56.8	58.2	58.8	59.1	60.0	60.3	60.7	61.2	61.3	61.3	61.3	61.4	61.8
GE 4000	3.4	60.0	62.3	64.2	65.8	66.3	66.7	67.6	67.9	68.2	68.8	68.9	68.9	68.9	69.0	69.3
GE 3500	3.4	64.2	66.8	68.8	70.4	71.0	71.4	72.3	72.7	73.0	73.6	73.7	73.7	73.7	73.8	74.1
GE 3000	3.4	68.8	71.7	74.0	76.1	76.7	77.1	78.0	78.3	78.7	79.2	79.3	79.3	79.3	79.4	79.8
GE 2500	3.4	71.0	74.3	76.8	78.9	79.4	80.0	81.2	81.6	81.9	82.4	82.6	82.6	82.6	82.7	83.0
GE 2000	3.4	72.8	76.4	79.3	81.8	82.3	82.9	84.2	84.6	84.9	85.4	85.6	85.6	85.6	85.7	86.0
GE 1800	3.4	73.1	76.9	79.8	82.3	82.9	83.4	84.9	85.2	85.6	86.1	86.2	86.2	86.2	86.3	86.7
GE 1500	3.4	74.4	78.7	81.8	85.1	85.7	86.3	87.8	88.1	88.4	89.0	89.1	89.1	89.1	89.2	89.6
GE 1200	3.4	75.1	79.3	82.9	86.2	86.8	87.4	88.9	89.2	89.7	90.2	90.3	90.3	90.3	90.4	90.8
GE 1000	3.4	75.2	79.4	83.0	86.4	87.0	87.7	89.1	89.4	89.9	90.4	90.6	90.6	90.6	90.8	91.1
GE 900	3.4	75.3	79.6	83.1	86.7	87.2	87.9	89.3	89.8	90.2	90.8	90.9	90.9	90.9	91.1	91.4
GE 800	3.4	75.3	79.6	83.1	86.7	87.4	88.2	89.7	90.1	90.6	91.1	91.2	91.2	91.2	91.4	91.8
GE 700	3.4	75.3	79.6	83.1	86.7	87.4	88.2	89.8	90.2	90.7	91.2	91.3	91.3	91.3	91.6	91.9
GE 600	3.4	75.3	79.6	83.1	87.1	87.9	89.3	91.2	91.7	92.2	92.8	92.9	92.9	92.9	93.1	93.4
GE 500	3.4	75.3	79.7	83.2	87.3	88.1	89.7	91.6	92.1	92.7	93.2	93.3	93.3	93.3	93.6	93.9
GE 400	3.4	75.3	79.8	83.3	87.4	88.2	89.9	91.9	92.4	93.0	93.6	93.7	93.7	93.7	93.9	94.2
GE 300	3.4	75.3	79.8	83.3	87.4	88.2	90.0	92.0	92.6	93.3	94.1	94.2	94.2	94.4	94.7	95.3
GE 200	3.4	75.3	79.8	83.3	87.6	88.3	90.3	92.4	93.1	93.9	95.1	95.2	95.4	95.7	95.9	96.6
GE 100	3.4	75.3	79.8	83.3	87.7	88.4	90.4	92.6	93.2	94.0	95.2	95.3	95.7	95.9	96.8	98.4
GE 0	3.4	75.3	79.8	83.3	87.7	88.4	90.4	92.6	93.2	94.0	95.2	95.3	95.7	95.9	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	7.9	24.0	24.7	25.2	25.9	26.0	26.3	26.6	26.7	26.8	27.0	27.1	27.3	27.3	27.5	27.7
GE 20000	8.9	26.3	27.1	27.6	28.4	28.5	28.8	29.1	29.2	29.4	29.7	29.7	29.9	30.0	30.1	30.3
GE 18000	9.1	26.8	27.5	28.1	28.8	29.0	29.3	29.6	29.7	29.9	30.1	30.2	30.3	30.4	30.6	30.8
GE 16000	9.3	27.2	27.9	28.5	29.3	29.4	29.7	30.0	30.2	30.3	30.6	30.6	30.8	30.9	31.1	31.3
GE 14000	9.9	28.7	29.5	30.1	30.9	31.0	31.3	31.6	31.8	31.9	32.2	32.2	32.4	32.5	32.7	32.8
GE 12000	10.4	30.0	30.8	31.5	32.3	32.4	32.8	33.1	33.2	33.4	33.6	33.7	33.8	33.9	34.1	34.3
GE 10000	11.0	33.3	34.3	34.9	35.9	36.0	36.3	36.7	36.8	37.0	37.2	37.3	37.4	37.5	37.7	37.9
GE 9000	11.1	34.3	35.2	35.9	36.9	37.0	37.3	37.7	37.8	38.0	38.3	38.3	38.5	38.5	38.8	38.9
GE 8000	11.6	38.6	39.6	40.4	41.4	41.6	42.0	42.3	42.5	42.7	43.0	43.0	43.2	43.3	43.5	43.6
GE 7000	12.1	41.9	42.9	43.7	44.7	44.9	45.3	45.7	45.8	46.0	46.3	46.3	46.5	46.6	46.8	47.0
GE 6000	12.3	43.6	44.7	45.5	46.7	46.9	47.3	47.7	47.8	48.0	48.3	48.3	48.5	48.6	48.8	49.0
GE 5000	12.6	47.3	48.6	49.5	50.8	51.0	51.6	52.0	52.1	52.4	52.6	52.7	52.8	52.9	53.2	53.3
GE 4500	13.1	52.5	54.2	55.3	56.8	57.0	57.6	58.0	58.1	58.4	58.6	58.7	58.8	58.9	59.1	59.3
GE 4000	13.7	58.7	60.7	62.0	63.6	63.8	64.3	64.8	65.0	65.2	65.5	65.5	65.7	65.8	66.0	66.2
GE 3500	14.0	64.1	66.4	67.9	69.6	69.8	70.4	70.9	71.1	71.3	71.6	71.6	71.8	71.9	72.1	72.3
GE 3000	14.4	69.0	71.7	73.4	75.5	75.8	76.5	77.0	77.2	77.5	77.8	77.8	78.0	78.1	78.3	78.5
GE 2500	14.5	71.5	74.7	76.6	78.9	79.2	80.1	80.8	80.9	81.2	81.5	81.5	81.7	81.8	82.0	82.2
GE 2000	14.5	73.4	76.9	79.1	81.7	82.1	83.0	83.8	84.0	84.2	84.5	84.6	84.8	84.9	85.1	85.3
GE 1800	14.5	73.8	77.4	79.7	82.3	82.7	83.7	84.5	84.7	84.9	85.2	85.3	85.5	85.6	85.8	86.0
GE 1500	14.6	75.3	79.1	81.6	84.5	84.9	86.0	86.8	87.0	87.3	87.6	87.7	87.9	88.0	88.2	88.4
GE 1200	14.6	75.7	79.5	82.2	85.1	85.5	86.7	87.5	87.8	88.1	88.5	88.5	88.7	88.8	89.0	89.2
GE 1000	14.6	75.8	79.7	82.5	85.7	86.1	87.3	88.2	88.5	88.9	89.2	89.3	89.5	89.6	89.9	90.1
GE 900	14.6	75.9	79.8	82.7	85.9	86.4	87.8	88.8	89.0	89.5	89.9	89.9	90.2	90.3	90.5	90.7
GE 800	14.6	76.0	80.0	82.9	86.2	86.7	88.1	89.2	89.4	89.9	90.3	90.3	90.6	90.7	91.0	91.2
GE 700	14.6	76.1	80.0	83.0	86.3	86.9	88.4	89.6	89.9	90.4	90.8	90.8	91.1	91.3	91.5	91.7
GE 600	14.6	76.2	80.2	83.2	86.8	87.4	89.1	90.4	90.8	91.3	91.7	91.8	92.1	92.2	92.5	92.7
GE 500	14.6	76.2	80.3	83.3	87.0	87.7	89.6	90.9	91.4	92.0	92.4	92.4	92.8	92.9	93.2	93.4
GE 400	14.6	76.3	80.3	83.4	87.1	87.8	90.0	91.5	92.2	92.8	93.3	93.4	93.7	93.8	94.2	94.4
GE 300	14.6	76.3	80.3	83.4	87.2	88.0	90.3	91.9	92.7	93.5	94.2	94.3	94.8	95.0	95.4	95.8
GE 200	14.6	76.3	80.3	83.4	87.3	88.0	90.5	92.2	93.1	94.0	95.0	95.1	95.7	96.0	96.8	97.6
GE 100	14.6	76.3	80.3	83.4	87.3	88.0	90.6	92.3	93.1	94.1	95.1	95.2	96.0	96.4	97.5	99.2
GE 0	14.6	76.3	80.4	83.4	87.3	88.1	90.6	92.3	93.2	94.1	95.1	95.2	96.0	96.4	97.5	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: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1.2	22.2	23.9	25.2	27.1	27.6	28.4	29.5	29.6	30.1	30.5	30.6	30.9	31.2	31.3	31.8
GE 20000	1.2	24.2	26.1	27.4	29.4	29.9	30.7	31.8	31.9	32.4	32.8	32.9	33.3	33.5	33.6	34.1
GE 18000	1.5	24.5	26.4	27.7	29.7	30.3	31.0	32.2	32.3	32.7	33.1	33.3	33.6	33.8	33.9	34.5
GE 16000	1.5	24.5	26.4	27.7	29.7	30.3	31.0	32.2	32.3	32.7	33.1	33.3	33.6	33.8	33.9	34.5
GE 14000	1.5	25.3	27.6	29.0	31.2	31.7	32.5	33.6	33.7	34.3	34.7	34.8	35.1	35.4	35.5	36.0
GE 12000	1.5	25.4	27.7	29.2	31.4	31.9	32.7	34.0	34.1	34.7	35.1	35.2	35.6	35.8	35.9	36.5
GE 10000	1.5	27.0	29.3	30.7	32.9	33.5	34.3	35.6	35.7	36.2	36.7	36.8	37.1	37.3	37.5	38.0
GE 9000	1.5	27.4	29.7	31.2	33.4	33.9	34.7	36.0	36.1	36.7	37.1	37.2	37.6	37.8	37.9	38.5
GE 8000	1.5	29.3	31.7	33.3	35.6	36.1	36.9	38.2	38.3	38.9	39.3	39.4	39.8	40.0	40.1	40.7
GE 7000	1.5	30.4	32.8	34.6	36.9	37.5	38.2	39.6	39.7	40.2	40.7	40.8	41.1	41.3	41.4	42.0
GE 6000	1.5	31.5	34.0	35.8	38.1	38.7	39.4	40.8	40.9	41.4	41.9	42.0	42.3	42.5	42.7	43.2
GE 5000	1.9	34.4	37.0	39.1	41.7	42.2	43.0	44.4	44.5	45.1	45.5	45.6	46.1	46.3	46.4	47.0
GE 4500	1.9	40.1	43.3	46.1	49.1	49.6	50.5	51.9	52.2	52.7	53.1	53.3	53.7	54.0	54.1	54.8
GE 4000	2.1	45.4	48.7	51.8	54.9	55.5	56.4	57.8	58.0	58.6	59.0	59.1	59.6	59.9	60.0	60.7
GE 3500	2.2	49.8	53.6	56.9	60.2	60.8	61.8	63.2	63.6	64.2	64.8	64.9	65.3	65.6	65.7	66.4
GE 3000	2.2	55.4	59.9	63.4	67.1	67.6	68.6	70.1	70.6	71.2	71.7	71.8	72.3	72.6	72.7	73.4
GE 2500	2.2	58.9	63.9	67.4	71.2	71.7	72.8	74.3	74.8	75.4	75.9	76.0	76.5	76.8	76.9	77.6
GE 2000	2.2	60.2	65.5	69.5	73.5	74.4	75.6	77.1	77.7	78.2	78.8	78.9	79.3	79.7	79.8	80.4
GE 1800	2.2	60.8	66.2	70.2	74.3	75.1	76.4	77.9	78.5	79.0	79.6	79.7	80.1	80.4	80.6	81.2
GE 1500	2.2	62.0	67.8	71.9	76.4	77.3	78.7	80.3	80.9	81.4	82.1	82.2	82.7	83.0	83.1	83.8
GE 1200	2.2	62.2	69.1	72.3	76.8	77.8	79.1	80.8	81.3	81.9	82.5	82.7	83.1	83.4	83.5	84.2
GE 1000	2.2	62.5	68.4	73.0	78.5	79.4	80.8	82.5	83.1	83.6	84.3	84.4	84.9	85.2	85.3	86.0
GE 900	2.2	62.8	68.6	73.4	78.9	79.8	81.3	83.1	83.6	84.2	84.9	85.0	85.4	85.7	85.9	86.5
GE 800	2.2	62.8	68.6	73.4	78.9	79.9	81.4	83.2	83.8	84.4	85.0	85.1	85.5	85.9	86.0	86.6
GE 700	2.2	62.6	69.6	73.4	79.0	80.0	81.7	83.4	84.3	84.9	85.5	85.6	86.1	86.4	86.5	87.2
GE 600	2.2	62.8	68.8	73.8	79.7	80.8	83.0	84.8	85.6	86.2	87.0	87.1	87.5	87.8	88.0	88.6
GE 500	2.2	62.9	69.0	74.3	80.2	81.4	84.1	86.0	86.9	87.4	88.2	88.3	88.7	89.1	89.2	89.8
GE 400	2.2	62.9	69.0	74.3	80.2	81.5	84.2	86.1	87.2	87.7	88.7	88.6	89.3	89.7	89.8	90.5
GE 300	2.2	62.9	69.0	74.3	80.3	81.7	84.4	86.3	87.6	88.4	89.5	89.7	90.4	90.8	90.9	92.3
GE 200	2.2	62.9	69.0	74.3	80.3	81.7	84.4	86.3	88.0	88.8	89.9	90.2	91.0	91.9	92.6	94.6
GE 100	2.2	62.9	69.0	74.3	80.3	81.7	84.4	86.3	88.0	88.8	89.9	90.2	91.6	92.9	94.5	99.2
GE 0	2.2	62.9	69.0	74.3	80.3	81.7	84.4	86.3	88.0	88.8	89.9	90.2	91.6	92.9	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 792070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1.4	20.0	22.0	23.2	24.6	25.3	25.5	26.6	26.6	26.7	27.1	27.1	27.4	27.5	27.5	27.7
GE 20000	1.4	21.6	23.7	25.1	26.7	27.4	27.6	28.7	28.8	28.9	29.3	29.3	29.6	29.7	29.7	29.9
GE 18000	1.4	21.6	23.7	25.1	26.7	27.4	27.6	28.7	28.8	28.9	29.3	29.3	29.6	29.7	29.7	29.9
GE 16000	1.4	21.6	23.7	25.1	26.7	27.4	27.6	28.7	28.8	28.9	29.3	29.3	29.6	29.7	29.7	29.9
GE 14000	1.4	21.8	24.2	25.5	27.3	27.9	28.2	29.3	29.4	29.5	29.8	29.8	30.2	30.3	30.3	30.5
GE 12000	1.4	22.1	24.4	25.7	27.5	28.2	28.4	29.5	29.6	29.7	30.0	30.0	30.4	30.5	30.5	30.7
GE 10000	1.4	24.5	26.9	28.5	30.6	31.3	31.5	32.6	32.7	32.8	33.1	33.1	33.5	33.6	33.6	33.8
GE 9000	1.4	25.3	27.8	29.5	31.6	32.3	32.5	33.6	33.7	33.8	34.1	34.1	34.5	34.6	34.6	34.8
GE 8000	1.4	27.2	29.8	31.5	33.7	34.4	34.6	35.8	35.9	36.0	36.4	36.4	36.7	36.8	36.8	37.0
GE 7000	1.4	28.4	31.4	33.1	35.4	36.0	36.3	37.5	37.6	37.7	38.0	38.0	38.4	38.5	38.5	38.7
GE 6000	1.4	29.6	32.6	34.4	36.8	37.5	37.7	38.9	39.0	39.1	39.5	39.5	39.8	39.9	39.9	40.1
GE 5000	1.6	33.5	36.8	38.8	41.6	42.2	42.5	43.7	43.8	44.0	44.3	44.3	44.7	44.8	44.8	45.0
GE 4500	1.8	38.2	41.9	44.5	48.0	48.7	48.9	50.1	50.2	50.4	50.8	50.8	51.1	51.2	51.2	51.4
GE 4000	1.8	42.1	46.3	48.9	52.7	53.3	53.5	54.8	54.9	55.1	55.4	55.4	55.8	55.9	55.9	56.1
GE 3500	1.8	46.3	50.7	53.5	57.6	58.3	58.5	59.8	59.9	60.1	60.4	60.4	60.8	60.9	61.0	61.2
GE 3000	1.8	52.1	57.0	60.5	65.5	66.3	66.7	68.2	68.5	68.7	69.1	69.1	69.4	69.5	69.6	69.8
GE 2500	1.9	55.1	60.2	64.0	69.2	70.0	70.7	72.2	72.5	72.7	73.1	73.1	73.4	73.5	73.6	73.8
GE 2000	1.9	58.1	63.4	67.7	73.3	74.1	74.8	76.4	76.8	77.1	77.4	77.4	77.7	77.8	77.9	78.2
GE 1800	1.9	58.5	64.0	68.3	73.8	74.6	75.4	76.9	77.4	77.6	77.9	77.9	78.3	78.4	78.5	78.7
GE 1500	1.9	60.0	65.9	70.2	76.1	76.8	78.2	79.8	80.3	80.5	80.8	80.8	81.2	81.3	81.4	81.7
GE 1200	1.9	60.6	66.6	71.0	77.2	77.9	79.3	80.9	81.4	81.6	81.9	81.9	82.3	82.4	82.5	82.8
GE 1000	1.9	61.4	67.5	72.0	78.9	79.7	81.3	83.0	83.5	83.9	84.3	84.3	84.6	84.7	84.8	85.1
GE 900	1.9	61.6	67.8	72.3	79.3	80.0	81.6	83.4	83.8	84.3	84.6	84.6	84.9	85.0	85.1	85.5
GE 800	1.9	61.8	68.1	72.5	79.6	80.4	81.9	83.8	84.3	84.7	85.0	85.0	85.4	85.5	85.6	85.9
GE 700	1.9	61.9	68.2	72.6	79.8	80.6	82.2	84.0	84.6	85.1	85.5	85.5	85.8	85.9	86.0	86.4
GE 600	1.9	61.9	68.3	72.9	80.5	81.3	83.1	85.0	85.6	86.1	86.5	86.5	86.8	86.9	87.0	87.4
GE 500	1.9	61.9	68.4	73.3	80.8	81.6	83.5	85.7	86.3	86.9	87.3	87.3	87.6	87.7	87.8	88.1
GE 400	1.9	61.9	68.4	73.3	80.9	81.7	83.7	86.3	86.8	87.5	87.9	87.9	88.2	88.4	88.5	88.8
GE 300	1.9	61.9	68.4	73.3	81.0	81.8	84.1	87.5	88.4	89.2	89.7	89.7	90.0	90.1	90.2	91.8
GE 200	1.9	61.9	68.4	73.5	81.4	82.4	84.7	88.0	88.9	90.1	90.9	90.9	91.6	91.9	93.0	95.5
GE 100	1.9	61.9	68.4	73.5	81.4	82.4	84.8	88.2	89.1	90.5	91.4	91.4	92.1	92.8	94.7	98.8
GE 0	1.9	61.9	68.4	73.5	81.4	82.4	84.8	88.2	89.1	90.5	91.4	91.4	92.1	92.8	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	6.5	20.9	21.9	22.1	23.7	23.7	23.8	24.3	24.3	24.3	24.6	24.6	25.0	25.1	25.4	25.4
GE 20000	6.8	22.7	23.8	24.0	25.7	25.7	25.8	26.4	26.5	26.5	26.8	26.8	27.2	27.4	27.6	27.6
GE 18000	6.9	23.3	24.4	24.6	26.2	26.2	26.4	26.9	27.0	27.0	27.4	27.4	27.8	27.9	28.1	28.1
GE 16000	6.9	23.4	24.5	24.7	26.4	26.4	26.5	27.0	27.1	27.1	27.5	27.5	27.9	28.0	28.2	28.2
GE 14000	7.0	23.8	24.9	25.1	26.8	26.8	26.9	27.5	27.6	27.6	27.9	27.9	28.3	28.5	28.7	28.7
GE 12000	7.0	25.0	26.1	26.4	28.0	28.0	28.1	28.7	28.8	28.8	29.1	29.1	29.6	29.7	29.9	29.9
GE 10000	7.2	27.0	28.1	28.3	30.1	30.2	30.3	30.9	31.0	31.0	31.3	31.3	31.8	31.9	32.1	32.1
GE 9000	7.3	27.7	28.8	29.1	31.0	31.1	31.2	31.8	31.9	31.9	32.2	32.2	32.7	32.8	33.0	33.0
GE 8000	7.3	29.7	30.9	31.5	33.6	33.7	33.8	34.4	34.6	34.6	34.9	34.9	35.3	35.4	35.7	35.7
GE 7000	7.5	31.5	32.8	33.3	35.4	35.5	35.9	36.5	36.7	36.7	37.0	37.0	37.4	37.5	37.8	37.8
GE 6000	7.8	32.4	33.8	34.3	36.4	36.5	37.1	37.8	37.9	37.9	38.3	38.3	38.8	38.9	39.1	39.1
GE 5000	8.0	36.2	37.9	38.5	41.0	41.1	41.6	42.3	42.4	42.4	42.9	42.9	43.3	43.4	43.6	43.6
GE 4500	8.6	42.1	43.9	44.7	47.3	47.4	48.1	48.7	48.8	48.8	49.3	49.3	49.7	49.8	50.1	50.1
GE 4000	9.0	46.7	49.2	50.2	52.9	53.0	53.8	54.5	54.6	54.6	55.0	55.0	55.5	55.6	55.8	55.8
GE 3500	9.0	51.4	53.8	55.4	58.8	58.9	59.7	60.4	60.5	60.5	60.9	60.9	61.4	61.5	61.7	61.7
GE 3000	9.1	55.3	58.3	60.1	64.5	64.6	65.8	66.4	66.6	66.6	67.0	67.0	67.4	67.6	67.9	67.9
GE 2500	9.1	58.9	62.6	64.6	69.3	69.4	70.8	71.7	71.9	71.9	72.4	72.4	72.9	73.0	73.3	73.3
GE 2000	9.2	61.4	65.3	67.4	72.4	72.5	74.2	75.1	75.3	75.3	75.9	75.9	76.3	76.4	76.7	76.9
GE 1800	9.2	61.8	65.9	68.1	73.2	73.3	75.0	75.9	76.1	76.1	76.6	76.6	77.1	77.2	77.5	77.6
GE 1500	9.2	63.3	67.6	70.0	75.3	75.4	77.1	78.1	78.3	78.3	78.8	78.8	79.3	79.4	79.7	79.8
GE 1200	9.2	64.2	68.7	71.3	76.7	76.9	78.7	79.8	80.1	80.1	80.6	80.6	81.1	81.2	81.5	81.6
GE 1000	9.3	65.2	69.9	73.0	78.5	78.8	81.0	82.1	82.3	82.3	82.8	82.8	83.3	83.4	83.7	83.8
GE 900	9.3	65.6	70.2	73.3	79.0	79.2	81.4	82.5	82.7	82.7	83.3	83.3	83.7	83.8	84.3	84.4
GE 800	9.3	66.0	70.7	73.8	79.5	79.7	81.9	83.2	83.4	83.4	83.9	83.9	84.4	84.5	84.9	85.0
GE 700	9.4	66.1	70.8	73.9	79.6	80.0	82.2	83.4	83.6	83.6	84.2	84.2	84.6	84.7	85.2	85.3
GE 600	9.4	66.1	70.8	74.0	80.2	80.6	82.9	84.5	84.7	84.7	85.6	85.6	86.0	86.2	86.6	86.7
GE 500	9.4	66.2	71.1	74.3	80.6	81.1	83.4	85.2	85.5	85.5	86.4	86.5	87.0	87.2	87.7	87.8
GE 400	9.4	66.2	71.1	74.3	80.6	81.1	83.5	85.7	86.3	86.3	87.3	87.4	87.9	88.0	88.6	88.7
GE 300	9.4	66.4	71.3	74.5	81.0	81.4	84.3	86.7	87.4	87.4	88.8	88.9	89.7	89.8	90.6	91.6
GE 200	9.4	66.4	71.3	74.6	81.1	81.5	84.5	86.9	87.7	88.2	89.4	89.5	90.7	91.6	93.7	95.5
GE 100	9.4	66.4	71.3	74.6	81.2	81.6	84.6	87.0	87.8	88.3	89.5	89.6	90.9	92.1	94.7	99.0
GE 0	9.4	66.4	71.3	74.6	81.2	81.6	84.6	87.0	87.8	88.3	89.5	89.6	90.9	92.1	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	14.5	21.9	22.4	22.9	23.5	23.6	23.7	23.7	23.8	23.8	23.9	23.9	24.0	24.0	24.1	24.5
GE 20000	15.6	24.1	24.7	25.2	25.8	25.9	26.0	26.0	26.1	26.1	26.4	26.4	26.5	26.5	26.6	26.9
GE 18000	15.7	24.9	25.5	26.0	26.6	26.7	26.8	26.8	26.9	26.9	27.1	27.1	27.2	27.2	27.4	27.7
GE 16000	16.1	25.2	25.8	26.4	26.9	27.0	27.1	27.1	27.2	27.2	27.5	27.5	27.6	27.6	27.7	28.0
GE 14000	17.1	26.9	27.5	28.0	28.6	28.7	28.8	28.9	29.0	29.0	29.2	29.2	29.3	29.3	29.5	29.8
GE 12000	17.6	28.2	28.8	29.3	30.0	30.1	30.2	30.3	30.5	30.5	30.7	30.7	30.8	30.8	30.9	31.2
GE 10000	18.6	29.9	30.5	31.0	31.7	31.8	31.9	31.9	32.0	32.1	32.1	32.3	32.3	32.4	32.4	32.9
GE 9000	18.6	29.9	30.5	31.0	31.7	31.8	31.9	31.9	32.0	32.1	32.1	32.3	32.3	32.4	32.4	32.9
GE 8000	19.7	33.1	33.9	34.7	35.3	35.4	35.5	35.7	35.8	35.8	36.0	36.0	36.1	36.1	36.2	36.5
GE 7000	20.4	36.2	37.0	38.0	38.9	39.0	39.2	39.3	39.4	39.4	39.6	39.6	39.8	39.8	39.9	40.2
GE 6000	21.0	37.7	38.5	39.6	40.5	40.6	40.9	41.1	41.2	41.2	41.4	41.4	41.5	41.5	41.7	42.1
GE 5000	21.8	41.0	42.2	43.4	44.4	44.5	44.9	45.2	45.3	45.3	45.5	45.5	45.6	45.6	45.8	46.2
GE 4500	22.5	45.2	46.6	48.1	49.5	49.6	49.9	50.3	50.4	50.5	50.7	50.7	50.8	50.8	51.1	51.4
GE 4000	23.4	50.9	52.7	54.6	56.3	56.4	56.7	57.1	57.3	57.5	57.7	57.7	57.8	57.8	58.0	58.4
GE 3500	24.0	54.7	56.8	58.7	60.6	60.7	61.1	61.6	61.7	61.9	62.1	62.1	62.2	62.2	62.5	62.8
GE 3000	24.5	58.6	61.4	63.6	66.0	66.1	66.7	67.1	67.2	67.4	67.7	67.7	67.8	67.8	68.0	68.3
GE 2500	24.7	62.1	65.4	67.9	70.7	70.8	71.3	71.9	72.0	72.2	72.4	72.4	72.5	72.5	72.8	73.1
GE 2000	25.1	64.3	68.0	70.7	73.6	73.9	74.5	75.4	75.5	75.7	76.0	76.0	76.1	76.1	76.3	76.6
GE 1800	25.1	64.6	68.2	71.1	74.4	74.6	75.3	76.2	76.3	76.5	76.7	76.7	76.9	76.9	77.1	77.4
GE 1500	25.1	66.4	70.3	73.3	77.1	77.3	78.4	79.3	79.5	79.7	80.0	80.0	80.1	80.1	80.3	80.6
GE 1200	25.1	67.4	71.4	74.9	79.0	79.2	80.4	81.3	81.5	81.7	81.9	81.9	82.1	82.1	82.3	82.6
GE 1000	25.1	68.0	72.3	76.0	80.3	81.0	82.3	83.2	83.4	83.6	83.8	83.8	83.9	83.9	84.2	84.5
GE 900	25.1	68.2	72.6	76.3	80.6	81.3	82.6	83.5	83.7	83.9	84.2	84.2	84.3	84.3	84.5	84.8
GE 800	25.1	68.2	72.6	76.4	80.8	81.5	82.8	83.7	83.9	84.2	84.4	84.4	84.5	84.5	84.7	85.0
GE 700	25.1	68.4	72.9	76.6	81.3	81.9	83.4	84.3	84.5	84.7	85.2	85.2	85.3	85.3	85.5	85.8
GE 600	25.1	69.0	73.4	77.3	82.1	82.8	84.7	85.6	85.8	86.0	86.5	86.5	86.6	86.8	87.2	87.6
GE 500	25.1	69.0	73.5	77.4	82.7	83.6	85.5	86.6	86.9	87.3	87.7	87.7	87.8	88.0	88.4	88.9
GE 400	25.1	69.0	73.5	77.4	82.8	83.8	85.7	87.4	87.7	88.0	88.5	88.5	88.6	88.9	89.4	90.0
GE 300	25.1	69.0	73.5	77.5	82.9	84.1	86.3	88.4	88.8	89.7	90.5	90.7	91.5	91.9	92.9	94.0
GE 200	25.1	69.0	73.5	77.5	82.9	84.1	86.3	88.4	88.9	90.0	90.9	91.1	92.2	93.2	95.0	97.5
GE 100	25.1	69.0	73.5	77.5	82.9	84.1	86.3	88.4	89.0	90.1	91.0	91.3	92.4	93.6	96.0	99.7
GE 0	25.1	69.0	73.5	77.5	82.9	84.1	86.3	88.4	89.0	90.1	91.0	91.3	92.4	93.6	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	14.1	20.8	21.4	21.8	21.9	22.0	22.0	22.3	22.3	22.4	22.5	22.5	22.5	22.5	22.5	22.5
GE 20000	16.5	24.0	24.6	25.0	25.1	25.2	25.2	25.6	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0
GE 18000	16.8	25.9	26.5	26.9	27.0	27.2	27.3	27.7	27.7	27.9	28.1	28.1	28.1	28.1	28.1	28.1
GE 16000	17.2	26.3	27.0	27.3	27.4	27.6	27.7	28.2	28.2	28.3	28.5	28.5	28.5	28.5	28.5	28.5
GE 14000	18.1	28.1	28.7	29.1	29.2	29.4	29.5	30.0	30.0	30.1	30.3	30.3	30.3	30.3	30.3	30.3
GE 12000	18.8	29.3	30.0	30.3	30.4	30.6	30.7	31.2	31.2	31.3	31.5	31.5	31.5	31.5	31.5	31.5
GE 10000	19.1	31.7	32.4	32.9	33.1	33.3	33.4	33.9	33.9	34.0	34.2	34.2	34.2	34.2	34.2	34.2
GE 9000	19.2	32.1	32.7	33.2	33.4	33.6	33.7	34.2	34.2	34.3	34.5	34.5	34.5	34.5	34.5	34.5
GE 8000	20.3	35.2	35.8	36.4	36.6	36.8	37.0	37.4	37.4	37.5	37.7	37.7	37.7	37.7	37.7	37.7
GE 7000	21.4	37.3	38.3	38.8	39.1	39.3	39.4	39.8	39.8	40.0	40.2	40.2	40.2	40.2	40.2	40.2
GE 6000	22.0	38.4	39.5	40.1	40.3	40.6	40.7	41.2	41.2	41.3	41.5	41.5	41.5	41.5	41.5	41.5
GE 5000	23.5	43.6	45.0	45.5	45.9	46.3	46.4	46.8	46.8	46.9	47.2	47.2	47.2	47.2	47.2	47.2
GE 4500	24.1	47.3	48.8	49.6	50.3	50.6	50.8	51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.6
GE 4000	26.1	54.4	56.5	57.5	58.2	58.5	58.7	59.2	59.2	59.3	59.5	59.5	59.5	59.5	59.5	59.5
GE 3500	27.1	58.6	60.8	61.8	62.5	62.8	63.0	63.5	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8
GE 3000	28.3	63.9	66.4	68.3	69.1	69.5	69.7	70.1	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5
GE 2500	28.6	66.8	69.9	72.1	73.3	73.7	74.0	74.6	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9
GE 2000	29.0	68.8	72.1	74.4	75.7	76.2	76.6	77.4	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7
GE 1800	29.2	69.4	72.8	75.0	76.4	76.9	77.2	78.0	78.0	78.1	78.4	78.4	78.4	78.4	78.4	78.4
GE 1500	29.4	71.1	74.7	77.4	79.0	79.7	80.0	80.8	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1
GE 1200	29.4	72.1	75.7	78.4	80.1	80.8	81.1	81.9	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2
GE 1000	29.5	73.3	77.0	79.8	82.0	82.8	83.4	84.1	84.1	84.2	84.5	84.5	84.5	84.5	84.5	84.5
GE 900	29.5	73.8	77.6	80.4	82.7	83.5	84.0	85.0	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3
GE 800	29.5	73.9	78.0	80.9	83.2	84.0	84.7	85.7	85.7	85.6	86.0	86.0	86.0	86.0	86.0	86.0
GE 700	29.5	74.4	78.5	81.6	84.0	84.8	85.7	86.8	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.2
GE 600	29.5	75.0	79.2	82.4	85.3	86.6	87.9	89.0	89.1	89.3	89.6	89.7	89.8	89.9	89.9	89.9
GE 500	29.5	75.2	79.6	82.8	86.1	87.3	88.9	90.2	90.5	91.1	91.3	91.5	91.7	91.8	91.9	91.9
GE 400	29.5	75.4	79.7	83.0	86.5	87.8	89.6	91.2	91.5	92.3	92.9	93.1	93.5	93.6	93.7	93.7
GE 300	29.5	75.4	79.7	83.0	86.6	87.8	90.1	92.0	92.8	93.7	94.8	95.0	95.7	95.9	96.4	96.7
GE 200	29.5	75.4	79.7	83.0	86.6	87.8	90.1	92.1	93.0	93.9	95.6	95.8	96.8	97.6	98.6	99.3
GE 100	29.5	75.4	79.7	83.0	86.6	87.8	90.1	92.1	93.0	93.9	95.6	95.8	96.8	97.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.8	23.7	24.1	24.2	24.4	24.6	25.0	25.2	25.2	25.6	25.6	25.6	25.6	25.7	25.8	25.8	25.9
GE 20000	16.6	26.3	26.8	26.9	27.5	27.6	28.0	28.2	28.2	28.6	28.6	28.6	28.6	28.7	28.8	28.8	28.9
GE 18000	16.9	27.1	27.6	27.7	28.2	28.3	28.8	29.0	29.0	29.4	29.4	29.4	29.4	29.5	29.6	29.6	29.7
GE 16000	17.0	27.3	27.8	27.9	28.5	28.6	29.0	29.2	29.2	29.6	29.6	29.6	29.6	29.7	29.8	29.8	29.9
GE 14000	19.0	30.4	33.8	30.9	31.5	31.6	32.0	32.3	32.3	32.6	32.6	32.6	32.6	32.7	32.8	32.8	32.9
GE 12000	20.2	32.9	33.5	33.6	34.4	34.5	34.9	35.3	35.3	35.6	35.6	35.6	35.6	35.7	35.9	35.9	36.0
GE 10000	21.8	36.4	36.9	37.1	37.9	38.1	38.5	38.8	38.8	39.2	39.2	39.2	39.2	39.3	39.5	39.5	39.6
GE 9000	21.9	36.5	37.1	37.2	38.1	38.2	38.6	39.1	39.1	39.4	39.4	39.4	39.5	39.7	39.7	39.7	39.8
GE 8000	22.8	39.8	43.6	40.8	41.7	41.9	42.3	42.7	42.7	43.1	43.1	43.1	43.2	43.4	43.4	43.4	43.5
GE 7000	22.9	40.7	41.7	42.0	42.9	43.0	43.9	43.9	43.9	44.2	44.3	44.3	44.4	44.4	44.6	44.6	44.8
GE 6000	22.9	42.0	43.0	43.2	44.1	44.2	44.6	45.1	45.1	45.4	45.5	45.5	45.6	45.9	45.9	46.0	46.0
GE 5000	24.4	47.7	49.1	49.3	50.4	50.6	51.0	51.5	51.5	51.8	51.9	51.9	52.0	52.2	52.2	52.2	52.3
GE 4500	24.8	53.1	54.9	55.2	56.9	57.0	57.7	58.3	58.3	58.6	58.7	58.7	58.8	59.0	59.0	59.0	59.2
GE 4000	25.9	56.9	58.8	59.6	61.3	61.5	62.2	62.8	62.8	63.2	63.3	63.3	63.4	63.6	63.6	63.6	63.7
GE 3500	26.3	60.9	62.9	64.2	66.2	66.4	67.2	68.0	68.0	68.3	68.4	68.4	68.5	68.8	68.8	68.8	68.9
GE 3000	27.0	65.8	68.2	70.1	72.1	72.3	73.1	73.9	73.9	74.2	74.3	74.3	74.4	74.7	74.7	74.7	74.8
GE 2500	27.5	69.8	72.9	75.1	77.3	77.7	78.6	79.4	79.4	79.7	79.8	79.8	79.9	80.1	80.1	80.1	80.2
GE 2000	27.5	71.5	74.9	77.1	79.6	80.0	81.0	81.9	81.9	82.3	82.5	82.5	82.6	82.8	82.8	82.8	82.9
GE 1800	27.5	72.1	75.4	77.7	80.1	80.7	81.7	82.6	82.6	82.9	83.1	83.1	83.3	83.5	83.5	83.5	83.6
GE 1500	27.5	74.0	77.5	79.8	82.7	83.3	84.3	85.3	85.3	85.6	85.8	85.8	85.9	86.2	86.2	86.2	86.3
GE 1200	27.5	74.1	77.7	80.1	83.3	83.9	85.2	86.2	86.2	86.5	86.7	86.7	86.8	87.1	87.1	87.1	87.2
GE 1000	27.6	74.9	78.8	81.4	84.6	85.3	86.7	87.8	87.8	88.2	88.4	88.4	88.5	88.7	88.7	88.7	88.8
GE 900	27.6	75.3	79.6	82.1	85.4	86.0	87.7	89.0	89.1	89.4	89.6	89.6	89.7	90.0	90.0	90.1	90.1
GE 800	27.6	75.3	79.7	82.4	85.7	86.4	88.1	89.3	89.4	89.7	90.0	90.0	90.1	90.3	90.3	90.3	90.4
GE 700	27.6	75.4	80.0	82.7	86.2	86.8	88.7	90.1	90.2	90.5	90.7	90.7	90.8	91.1	91.1	91.1	91.2
GE 600	27.6	75.4	80.0	82.8	86.4	87.1	89.1	90.4	90.5	91.0	91.3	91.3	91.4	91.6	91.6	91.6	91.7
GE 500	27.6	75.4	83.1	82.9	86.8	87.5	90.1	91.5	91.6	92.1	92.5	92.5	92.6	92.9	92.9	92.9	93.0
GE 400	27.6	75.4	83.1	82.9	86.8	87.5	90.2	92.1	92.6	93.1	94.1	94.1	94.3	94.5	94.8	94.8	94.9
GE 300	27.6	75.4	83.1	82.9	86.9	87.5	90.4	92.5	93.4	94.0	95.2	95.4	95.6	96.3	96.5	96.8	96.8
GE 200	27.6	75.4	83.1	82.9	86.8	87.5	90.4	92.5	93.4	94.0	95.8	96.2	96.7	97.8	98.4	99.6	99.6
GE 100	27.6	75.4	83.1	82.9	86.8	87.5	90.4	92.5	93.4	94.0	95.8	96.2	96.7	97.9	98.5	100.0	100.0
GE 0	27.6	75.4	83.1	82.9	86.9	87.5	90.4	92.5	93.4	94.0	95.8	96.2	96.7	97.9	98.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	5.5	22.3	22.7	23.4	25.3	25.4	25.8	26.1	26.1	27.0	27.2	27.2	28.2	28.3	28.7	29.3
GE 20000	5.6	24.6	25.1	25.7	27.7	27.9	28.4	28.6	28.6	29.5	29.8	29.9	30.9	31.0	31.4	32.0
GE 18000	5.6	24.7	25.2	25.8	27.9	28.0	28.5	28.7	28.7	29.6	29.9	30.0	31.0	31.1	31.5	32.1
GE 16000	5.6	24.8	25.3	26.0	28.0	28.1	28.6	28.9	28.9	29.8	30.0	30.1	31.1	31.2	31.7	32.2
GE 14000	5.7	25.8	26.3	27.0	29.1	29.2	29.8	30.0	30.0	30.9	31.1	31.2	32.2	32.3	32.8	33.3
GE 12000	5.8	27.6	28.1	28.7	30.9	31.3	31.9	32.1	32.1	33.0	33.2	33.3	34.3	34.5	34.9	35.5
GE 10000	5.9	29.8	30.2	31.0	33.2	33.7	34.2	34.5	34.5	35.3	35.6	35.7	36.7	36.8	37.2	37.8
GE 9000	6.2	30.9	31.3	32.3	34.6	35.0	35.7	35.9	35.9	36.8	37.1	37.2	38.4	38.5	38.9	39.5
GE 8000	6.5	33.6	34.1	35.1	37.5	38.0	38.7	38.9	38.9	39.8	40.2	40.3	41.4	41.5	41.9	42.7
GE 7000	6.6	34.5	35.1	36.2	38.6	39.1	39.8	40.0	40.0	40.9	41.3	41.4	42.5	42.6	43.1	43.8
GE 6000	6.6	35.6	36.4	37.6	39.9	40.5	41.2	41.4	41.4	42.3	42.6	42.7	43.8	44.0	44.4	45.2
GE 5000	6.6	39.8	40.7	41.9	44.5	45.1	45.7	46.0	46.0	46.9	47.2	47.3	48.4	48.5	49.0	49.8
GE 4500	6.7	46.2	47.4	48.9	51.7	52.2	53.0	53.2	53.2	54.1	54.5	54.6	55.7	55.8	56.3	57.0
GE 4000	7.2	50.9	52.6	54.1	57.2	57.8	58.7	58.9	58.9	60.0	60.3	60.4	61.5	61.6	62.1	62.9
GE 3500	7.3	54.1	56.2	57.9	61.1	61.7	63.2	63.4	63.4	64.4	64.8	64.9	66.0	66.1	66.6	67.3
GE 3000	7.4	58.6	61.0	63.0	66.2	66.9	68.3	68.6	68.6	69.6	69.9	70.0	71.1	71.3	71.7	72.5
GE 2500	7.4	63.0	66.3	68.5	72.0	73.0	74.5	74.7	74.7	75.7	76.1	76.2	77.3	77.4	77.9	78.6
GE 2000	7.4	65.2	68.9	71.8	75.5	76.5	78.1	78.3	78.3	79.3	79.6	79.8	80.9	81.0	81.4	82.2
GE 1800	7.4	65.5	69.4	72.4	76.1	77.1	78.6	78.9	78.9	79.9	80.2	80.3	81.4	81.5	82.0	82.8
GE 1500	7.4	67.8	71.9	74.9	79.2	80.3	82.0	82.3	82.3	83.3	83.7	83.8	84.9	85.0	85.5	86.2
GE 1200	7.4	68.2	72.4	75.4	79.8	80.9	82.7	83.0	83.0	84.0	84.3	84.5	85.6	85.7	86.1	86.9
GE 1000	7.4	68.6	72.8	76.0	80.6	81.8	83.7	84.0	84.0	85.1	85.5	85.6	86.7	86.8	87.2	88.0
GE 900	7.4	68.8	73.2	76.3	81.0	82.1	84.0	84.3	84.5	85.6	85.9	86.0	87.1	87.2	87.7	88.5
GE 800	7.4	68.8	73.2	76.5	81.5	82.7	84.6	84.9	85.0	86.2	86.7	86.8	87.9	88.0	88.5	89.3
GE 700	7.4	68.8	73.2	76.5	81.5	82.7	84.6	84.9	85.0	86.2	86.7	86.8	87.9	88.0	88.5	89.3
GE 600	7.4	69.0	73.4	76.7	81.8	83.0	85.0	85.9	86.0	87.2	87.7	87.8	88.9	89.0	89.5	90.3
GE 500	7.4	69.1	73.5	76.8	81.9	83.1	85.5	86.6	86.7	88.0	88.7	88.8	90.0	90.2	90.6	91.4
GE 400	7.4	69.1	73.5	76.8	81.9	83.3	86.0	87.2	87.5	88.9	89.8	89.9	91.2	91.3	91.7	92.5
GE 300	7.4	69.1	73.5	76.8	81.9	83.3	86.1	87.5	87.7	89.1	90.2	90.3	91.6	91.7	92.5	93.6
GE 200	7.4	69.1	73.5	76.8	81.9	83.3	86.1	87.6	87.8	89.4	90.8	90.9	92.6	93.0	95.3	96.6
GE 100	7.4	69.1	73.5	76.8	81.9	83.3	86.1	87.6	87.8	89.5	90.9	91.1	92.7	93.2	95.9	99.9
GE 0	7.4	69.1	73.5	76.8	81.9	83.3	86.1	87.6	87.8	89.5	90.9	91.1	92.7	93.2	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	3.1	23.5	25.7	26.1	27.0	27.1	27.6	28.6	29.0	29.3	29.3	29.4	30.1	30.3	30.8	30.8
GE 20000	3.2	24.6	27.1	27.6	28.9	29.0	29.5	30.5	30.9	31.2	31.4	31.7	32.3	32.6	33.1	33.1
GE 18000	3.2	24.6	27.1	27.6	28.9	29.0	29.5	30.5	30.9	31.2	31.4	31.7	32.3	32.6	33.1	33.1
GE 16000	3.2	24.6	27.1	27.6	28.9	29.0	29.5	30.5	30.9	31.2	31.4	31.7	32.3	32.6	33.1	33.1
GE 14000	3.2	25.4	28.1	28.6	29.9	30.0	30.5	31.5	31.9	32.2	32.4	32.7	33.3	33.6	34.1	34.1
GE 12000	3.2	26.0	28.7	29.3	30.5	30.9	31.4	32.4	32.8	33.1	33.3	33.6	34.3	34.6	35.1	35.1
GE 10000	3.2	28.4	31.2	31.8	33.0	33.3	34.0	35.1	35.5	35.8	36.0	36.2	37.0	37.2	37.8	37.8
GE 9000	3.2	28.9	31.9	32.4	33.7	34.0	34.7	35.8	36.1	36.6	36.8	37.0	37.9	38.1	38.7	38.7
GE 8000	3.5	31.3	34.3	35.1	36.4	36.7	37.4	38.5	38.8	39.3	39.5	39.7	40.6	40.8	41.4	41.4
GE 7000	3.6	32.2	35.2	36.0	37.4	37.7	38.4	39.5	39.8	40.3	40.5	40.7	41.6	41.8	42.4	42.4
GE 6000	3.9	33.8	36.9	37.7	39.0	39.4	40.0	41.2	41.5	41.9	42.2	42.4	43.3	43.5	44.1	44.2
GE 5000	4.0	37.8	41.1	42.2	43.6	44.0	44.7	45.9	46.2	46.6	46.9	47.1	48.1	48.5	49.1	49.2
GE 4500	4.1	43.8	47.7	49.0	50.6	50.9	51.9	53.0	53.4	53.9	54.1	54.4	55.4	55.8	56.4	56.5
GE 4000	4.6	48.3	52.9	54.6	56.5	56.8	57.8	58.9	59.3	59.8	60.1	60.3	61.3	61.7	62.3	62.5
GE 3500	4.7	52.3	57.5	59.2	61.1	61.5	62.9	64.0	64.3	65.0	65.2	65.4	66.4	66.9	67.4	67.7
GE 3000	4.7	56.2	61.9	63.6	65.8	66.2	67.6	68.7	69.0	69.7	69.9	70.1	71.1	71.6	72.1	72.4
GE 2500	4.7	60.2	66.4	68.5	71.0	71.5	72.8	74.0	74.4	75.1	75.3	75.5	76.5	77.0	77.5	77.7
GE 2000	4.7	62.1	68.3	70.7	73.5	73.9	75.3	76.7	77.1	77.7	78.0	78.2	79.2	79.6	80.2	80.4
GE 1800	4.7	62.3	68.8	71.1	74.0	74.5	75.8	77.3	77.6	78.3	78.5	78.7	79.8	80.2	80.8	81.0
GE 1500	4.7	64.0	70.9	73.4	76.5	77.2	78.6	80.4	80.8	81.4	81.8	82.0	83.0	83.4	84.0	84.2
GE 1200	4.7	64.4	71.4	73.8	77.0	77.6	79.2	81.0	81.3	82.0	82.3	82.6	83.6	84.0	84.6	84.8
GE 1000	4.7	65.0	72.3	74.9	78.2	79.0	80.5	82.3	82.7	83.3	83.7	83.9	84.9	85.3	85.9	86.1
GE 900	4.7	65.0	72.3	74.9	78.6	79.4	81.0	82.9	83.2	83.9	84.2	84.5	85.5	85.9	86.5	86.7
GE 800	4.7	65.1	72.4	75.1	78.7	79.5	81.1	83.0	83.3	84.0	84.3	84.6	85.6	86.0	86.6	86.8
GE 700	4.7	65.1	72.5	75.2	78.9	79.6	81.3	83.3	83.8	84.5	84.8	85.0	86.0	86.5	87.0	87.2
GE 600	4.7	65.1	72.7	75.5	79.3	80.1	81.8	83.9	84.3	85.0	85.3	85.6	86.6	87.0	87.6	87.8
GE 500	4.7	65.1	72.7	75.5	79.6	80.4	82.4	84.6	85.0	85.8	86.2	86.5	87.6	88.0	88.6	88.8
GE 400	4.7	65.1	72.7	75.5	79.6	80.4	82.6	84.8	85.3	86.5	86.9	87.1	88.3	88.7	89.3	89.5
GE 300	4.7	65.1	72.7	75.5	79.6	80.4	82.8	85.0	85.8	87.1	87.6	87.8	89.0	89.6	90.4	91.1
GE 200	4.7	65.1	72.7	75.5	79.8	80.5	83.0	85.5	86.6	88.4	89.1	89.4	90.9	91.8	94.1	95.4
GE 100	4.7	65.1	72.7	75.5	79.8	80.5	83.0	85.5	86.7	88.6	89.5	89.7	91.4	92.6	95.1	99.3
GE 0	4.7	65.1	72.7	75.5	79.8	80.5	83.0	85.5	86.7	88.6	89.5	89.7	91.4	92.6	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	7.8	21.9	23.0	23.6	24.7	24.9	25.2	25.8	25.9	26.1	26.3	26.4	26.7	26.8	27.0	27.2
GE 20000	8.4	24.0	25.2	25.9	27.1	27.3	27.7	28.2	28.3	28.6	28.9	28.9	29.3	29.4	29.6	29.8
GE 18000	8.5	24.6	25.8	26.4	27.6	27.9	28.2	28.8	28.9	29.2	29.5	29.5	29.9	30.0	30.2	30.4
GE 16000	8.6	24.7	25.9	26.6	27.8	28.0	28.4	29.0	29.1	29.4	29.6	29.7	30.0	30.1	30.3	30.6
GE 14000	9.1	25.9	27.3	27.9	29.2	29.4	29.8	30.4	30.5	30.8	31.0	31.1	31.4	31.6	31.7	32.0
GE 12000	9.4	27.1	28.4	29.1	30.4	30.7	31.1	31.7	31.8	32.1	32.3	32.4	32.8	32.9	33.1	33.3
GE 10000	9.8	29.3	30.7	31.4	32.8	33.1	33.5	34.2	34.3	34.6	34.8	34.9	35.2	35.4	35.6	35.8
GE 9000	9.9	29.8	31.2	32.0	33.4	33.7	34.1	34.8	34.9	35.2	35.5	35.5	35.9	36.1	36.2	36.5
GE 8000	10.4	32.4	33.9	34.8	36.3	36.6	37.0	37.7	37.8	38.1	38.4	38.4	38.8	39.0	39.1	39.4
GE 7000	10.7	33.9	35.5	36.5	38.1	38.4	38.8	39.5	39.6	39.9	40.2	40.2	40.7	40.8	41.0	41.2
GE 6000	10.9	35.1	36.8	37.8	39.4	39.7	40.2	40.9	41.0	41.3	41.6	41.7	42.1	42.2	42.4	42.7
GE 5000	11.5	39.2	41.2	42.3	44.1	44.5	45.0	45.7	45.8	46.1	46.4	46.5	46.9	47.1	47.3	47.5
GE 4500	11.8	44.5	46.8	48.2	50.4	50.8	51.3	52.1	52.2	52.6	52.8	52.9	53.3	53.5	53.7	54.0
GE 4000	12.5	49.5	52.2	53.9	56.2	56.6	57.2	58.0	58.1	58.5	58.8	58.8	59.3	59.4	59.6	59.9
GE 3500	12.8	53.5	56.5	58.4	61.0	61.4	62.2	63.0	63.1	63.5	63.8	63.9	64.3	64.5	64.7	65.0
GE 3000	13.1	58.2	61.7	64.1	67.0	67.4	68.3	69.1	69.3	69.7	70.0	70.1	70.5	70.7	70.9	71.2
GE 2500	13.3	61.8	65.9	68.5	71.7	72.2	73.2	74.1	74.3	74.7	75.0	75.0	75.5	75.6	75.9	76.2
GE 2000	13.4	63.9	68.3	71.2	74.6	75.2	76.3	77.3	77.5	77.9	78.2	78.3	78.7	78.9	79.1	79.4
GE 1800	13.4	64.4	68.8	71.7	75.3	75.9	76.9	78.0	78.2	78.5	78.9	78.9	79.4	79.5	79.8	80.1
GE 1500	13.4	66.1	70.8	73.9	77.8	78.4	79.6	80.8	81.0	81.4	81.8	81.8	82.3	82.4	82.6	83.0
GE 1200	13.4	66.7	71.5	74.6	78.7	79.4	80.7	81.9	82.1	82.5	82.8	82.9	83.3	83.5	83.7	84.0
GE 1000	13.5	67.4	72.4	75.7	80.2	81.0	82.4	83.6	83.9	84.3	84.6	84.7	85.1	85.3	85.5	85.9
GE 900	13.5	67.6	72.7	76.1	80.7	81.4	83.0	84.2	84.5	84.9	85.2	85.3	85.7	85.9	86.1	86.5
GE 800	13.5	67.7	72.9	76.4	81.0	81.8	83.3	84.6	84.8	85.3	85.7	85.7	86.2	86.3	86.6	86.9
GE 700	13.5	67.9	73.1	76.5	81.3	82.1	83.7	85.0	85.4	85.8	86.2	86.3	86.7	86.9	87.1	87.4
GE 600	13.5	68.0	73.3	76.9	81.9	82.8	84.7	86.1	86.5	87.0	87.4	87.5	88.0	88.2	88.4	88.7
GE 500	13.5	68.1	73.5	77.2	82.4	83.3	85.4	87.0	87.4	88.0	88.5	88.6	89.1	89.3	89.6	90.0
GE 400	13.5	68.1	73.5	77.2	82.4	83.4	85.7	87.6	88.1	88.8	89.5	89.6	90.2	90.4	90.7	91.1
GE 300	13.5	68.1	73.5	77.2	82.5	83.5	86.1	88.2	89.0	89.9	90.8	90.9	91.7	92.0	92.6	93.5
GE 200	13.5	68.1	73.5	77.3	82.6	83.6	86.2	88.4	89.3	90.3	91.6	91.7	92.8	93.6	95.1	96.7
GE 100	13.5	68.1	73.5	77.3	82.6	83.6	86.2	88.5	89.4	90.5	91.7	91.9	93.1	94.1	96.0	99.5
GE 0	13.5	68.1	73.5	77.3	82.6	83.6	86.2	88.5	89.4	90.5	91.7	91.9	93.1	94.1	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7198

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	17.5	35.0	35.6	36.0	36.5	36.6	36.8	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8
GE 20000	19.7	38.9	39.6	40.0	40.7	40.8	41.0	41.2	41.3	41.4	41.5	41.5	41.7	41.7	41.9	42.0
GE 18000	19.9	39.4	40.0	40.5	41.1	41.2	41.4	41.6	41.7	41.9	42.0	42.0	42.2	42.2	42.3	42.5
GE 16000	20.0	39.6	40.3	40.7	41.3	41.4	41.7	41.9	42.0	42.1	42.2	42.2	42.4	42.4	42.6	42.7
GE 14000	20.7	40.8	41.5	42.0	42.7	42.7	43.0	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0
GE 12000	21.3	42.4	43.2	43.6	44.3	44.4	44.6	44.9	44.9	45.1	45.2	45.2	45.4	45.4	45.6	45.7
GE 10000	22.1	45.3	46.1	46.6	47.3	47.4	47.6	47.9	48.0	48.1	48.2	48.2	48.4	48.5	48.6	48.7
GE 9000	22.4	46.0	46.7	47.3	48.0	48.1	48.3	48.6	48.6	48.8	48.9	48.9	49.1	49.1	49.3	49.4
GE 8000	23.1	49.1	49.9	50.4	51.2	51.3	51.6	51.8	51.9	52.1	52.2	52.2	52.4	52.5	52.6	52.7
GE 7000	23.6	51.3	52.2	52.7	53.5	53.7	54.0	54.2	54.3	54.5	54.6	54.6	54.8	54.9	55.0	55.1
GE 6000	23.9	52.6	53.5	54.1	55.0	55.1	55.4	55.7	55.8	55.9	56.1	56.1	56.2	56.3	56.5	56.6
GE 5000	25.0	56.9	57.9	58.6	59.5	59.6	59.9	60.2	60.3	60.5	60.6	60.6	60.8	60.9	61.0	61.2
GE 4500	25.8	61.3	62.5	63.3	64.3	64.3	64.4	64.8	65.1	65.2	65.4	65.5	65.7	65.8	65.9	66.1
GE 4000	26.9	65.7	67.1	67.9	69.0	69.2	69.6	69.9	70.0	70.2	70.4	70.4	70.5	70.6	70.8	70.9
GE 3500	28.0	70.6	72.2	73.1	74.4	74.5	75.0	75.3	75.5	75.7	75.8	75.8	76.0	76.1	76.2	76.4
GE 3000	28.9	75.4	77.2	78.3	79.7	79.9	80.4	80.8	81.0	81.2	81.3	81.4	81.5	81.6	81.8	81.9
GE 2500	29.4	78.5	80.6	81.8	83.4	83.6	84.2	84.6	84.8	85.0	85.1	85.2	85.4	85.4	85.6	85.7
GE 2000	29.8	80.8	83.1	84.5	86.1	86.4	87.0	87.5	87.7	87.9	88.1	88.1	88.3	88.4	88.5	88.7
GE 1800	29.9	81.3	83.6	85.0	86.8	87.0	87.7	88.1	88.3	88.6	88.7	88.8	88.9	89.0	89.2	89.3
GE 1500	30.0	82.8	85.3	86.8	88.6	88.9	89.6	90.2	90.4	90.6	90.8	90.8	91.0	91.1	91.2	91.4
GE 1200	30.1	83.5	86.1	87.7	89.6	89.9	90.7	91.2	91.5	91.7	91.9	91.9	92.1	92.2	92.3	92.5
GE 1000	30.1	84.0	86.6	88.3	90.4	90.7	91.5	92.1	92.3	92.6	92.8	92.8	93.0	93.1	93.3	93.4
GE 900	30.1	84.2	86.9	88.6	90.7	91.0	91.9	92.5	92.8	93.1	93.3	93.3	93.5	93.6	93.7	93.9
GE 800	30.1	84.3	87.1	88.8	91.0	91.3	92.3	92.9	93.2	93.5	93.7	93.7	93.9	94.0	94.2	94.3
GE 700	30.2	84.4	87.2	89.0	91.2	91.6	92.5	93.2	93.5	93.8	94.0	94.1	94.3	94.4	94.5	94.7
GE 600	30.2	84.6	87.4	89.2	91.5	91.9	93.0	93.8	94.1	94.4	94.6	94.7	94.9	95.0	95.1	95.3
GE 500	30.2	84.6	87.5	89.4	91.8	92.2	93.4	94.3	94.6	95.0	95.3	95.3	95.5	95.6	95.8	96.0
GE 400	30.2	84.7	87.6	89.5	91.9	92.4	93.6	94.6	95.1	95.5	95.8	95.8	96.1	96.2	96.4	96.6
GE 300	30.2	84.7	87.6	89.5	92.0	92.5	93.8	94.9	95.4	96.0	96.4	96.4	96.8	96.9	97.2	97.5
GE 200	30.2	84.7	87.6	89.5	92.1	92.5	93.9	95.0	95.6	96.2	96.8	96.9	97.3	97.6	98.1	98.7
GE 100	30.2	84.7	87.6	89.5	92.1	92.5	93.9	95.1	95.6	96.3	96.9	96.9	97.5	97.9	98.6	99.7
GE 0	30.2	84.7	87.6	89.5	92.1	92.5	93.9	95.1	95.6	96.3	96.9	96.9	97.5	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 87254

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA PERIOD OF RECORD: 78-87
 MONTH: JAN

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	8.5			12.2						19.2	60.1	8.1	880
03-05	9.6			12.0						17.5	60.9	8.3	893
06-08	5.9			13.2						20.7	60.2	8.3	902
09-11	3.2			10.6						30.1	56.1	8.6	904
12-14	2.4			11.9						33.2	52.6	8.6	911
15-17	2.0			13.8						31.0	53.2	8.5	912
18-20	4.8			17.4						19.6	58.1	8.1	896
21-23	7.8			17.4						18.0	56.8	7.8	884
TOTALS	5.5			13.6						23.7	57.3	8.3	7182

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA PERIOD OF RECORD: 78-87
 MONTH: FEB

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	8.7			12.8						19.9	58.7	8.0	831
03-05	6.4			11.8						19.6	62.2	8.3	830
06-08	2.4			12.9						25.3	59.4	8.6	834
09-11	1.5			10.1						34.7	53.6	8.8	841
12-14	.8			10.5						36.9	51.7	8.8	845
15-17	.5			16.2						35.8	47.5	8.5	846
18-20	5.0			20.9						19.3	54.9	7.8	844
21-23	9.1			18.9						17.2	54.9	7.6	827
TOTALS	4.3			14.3						26.1	55.4	8.3	6698

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: MAR

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	14.4			22.5						19.5	43.6	6.8	919
03-05	13.1			19.2						18.3	49.4	7.2	917
06-08	2.1			22.1						31.2	44.6	7.9	925
09-11	1.6			18.0						40.4	40.0	8.2	924
12-14	1.0			19.4						41.7	38.0	8.1	930
15-17	1.0			19.7						42.0	37.3	8.1	930
18-20	2.4			23.7						33.8	40.2	7.8	929
21-23	11.0			23.4						23.5	42.0	7.0	930
TOTALS	5.8			21.0						31.3	41.9	7.6	7404

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: APR

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	16.3			25.9						23.8	34.0	6.3	900
03-05	12.7			24.1						25.6	37.5	6.8	895
06-08	2.9			21.4						36.3	39.4	7.9	897
09-11	1.7			20.3						36.6	41.4	8.0	900
12-14	1.3			19.2						41.9	37.6	8.1	900
15-17	.7			22.3						40.1	37.0	8.0	898
18-20	1.6			30.2						32.4	35.8	7.4	897
21-23	13.0			28.3						24.2	34.4	6.5	897
TOTALS	6.3			24.0						32.6	37.1	7.4	7184

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: MAY

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	14.0			27.7						22.9	35.4	6.4	930
03-05	6.8			25.9						27.8	39.5	7.2	930
06-08	3.4			18.6						39.9	38.1	8.0	930
09-11	3.0			17.0						43.9	36.1	8.1	930
12-14	1.3			24.6						45.7	28.4	7.7	930
15-17	1.2			27.8						45.2	25.8	7.5	930
18-20	1.4			35.7						35.1	27.8	7.0	930
21-23	9.0			38.4						24.0	28.6	6.2	930
TOTALS	5.0			27.0						35.6	32.5	7.3	7440

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUN

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	19.4			27.3						22.6	30.7	5.9	900
03-05	5.2			29.2						32.3	33.2	7.1	900
06-08	3.9			24.8						36.4	34.9	7.5	900
09-11	3.1			24.6						42.8	29.6	7.5	900
12-14	1.8			29.6						43.2	25.4	7.3	900
15-17	1.8			33.7						43.1	21.4	7.0	900
18-20	3.6			35.9						41.4	19.2	6.7	898
21-23	10.3			37.9						29.3	22.5	6.0	899
TOTALS	6.1			30.4						36.4	27.1	6.9	7197

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA PERIOD OF RECORD: 77-86
 MONTH: JUL

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS		
	0	1	2	3	4	5	6	7	8	9			10	
00-02	33.8			24.9							17.4	23.9	4.7	927
03-05	14.8			33.5							24.5	27.2	5.9	927
06-08	8.5			27.6							28.4	35.5	6.9	930
09-11	10.8			27.5							30.5	31.2	6.7	930
12-14	7.0			37.6							37.8	17.5	6.3	930
15-17	5.1			44.1							36.5	14.4	6.3	930
18-20	10.3			44.6							31.3	13.8	5.5	930
21-23	22.9			39.1							22.0	16.0	4.8	929
TOTALS	14.2			34.9							28.6	22.4	5.9	7433

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA PERIOD OF RECORD: 77-86
 MONTH: AUG

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS		
	0	1	2	3	4	5	6	7	8	9			10	
00-02	35.5			23.9							19.7	20.9	4.6	924
03-05	21.3			29.3							18.8	30.7	5.6	922
06-08	6.7			28.9							27.9	36.5	7.3	926
09-11	11.1			30.2							29.4	29.4	6.5	930
12-14	9.4			41.3							30.3	19.0	5.9	930
15-17	7.6			44.9							34.5	12.9	5.7	930
18-20	9.8			47.2							29.7	13.3	5.4	930
21-23	27.3			35.7							21.7	15.3	4.6	930
TOTALS	16.1			35.2							26.5	22.3	5.7	7422

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 74207D STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: SEP

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	28.4			18.6						22.0	31.1	5.6	888
03-05	19.0			20.0						21.5	39.4	6.5	883
06-08	3.4			26.8						35.3	34.5	7.4	881
09-11	5.2			23.8						43.6	27.4	7.4	900
12-14	5.9			29.1						43.3	21.7	6.9	899
15-17	6.1			33.6						39.6	20.8	6.5	900
18-20	11.8			34.2						33.4	20.5	6.1	897
21-23	25.3			27.9						20.0	26.9	5.3	897
TOTALS	13.1			26.8						32.3	27.8	6.5	7145

STATION NUMBER: 74207D STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: OCT

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	22.0			20.5						21.5	36.0	6.2	885
03-05	14.7			14.4						22.8	48.0	7.3	893
06-08	1.5			19.2						33.9	45.4	8.2	917
09-11	1.9			17.8						36.4	43.8	8.2	926
12-14	4.0			24.8						36.7	34.6	7.5	929
15-17	6.5			26.6						37.0	30.0	7.1	930
18-20	14.5			29.4						22.9	33.2	6.3	925
21-23	24.2			23.1						18.4	34.3	5.8	901
TOTALS	11.2			22.0						28.7	38.2	7.1	7306

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 792070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: NOV

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS		
	0	1	2	3	4	5	6	7	8	9			10	
00-02	11.8			15.4							19.5	53.2	7.5	881
03-05	10.9			16.4							15.6	57.1	7.5	891
06-08	5.2			17.8							24.5	52.5	8.0	887
09-11	2.1			17.6							31.5	48.8	8.2	894
12-14	2.7			16.4							32.0	48.9	8.3	900
15-17	3.9			17.1							31.3	47.7	8.1	899
18-20	9.8			18.3							15.9	55.9	7.6	894
21-23	11.9			15.5							18.3	54.4	7.5	886
TOTALS	7.3			16.8							23.6	52.3	7.9	7132

STATION NUMBER: 792070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: DEC

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS		
	0	1	2	3	4	5	6	7	8	9			10	
00-02	12.7			19.7							14.9	57.6	7.6	883
03-05	11.3			14.0							14.0	60.6	7.7	891
06-08	5.9			15.0							21.7	57.3	8.1	898
09-11	2.3			16.1							28.9	52.7	8.4	900
12-14	2.6			14.8							31.0	51.7	8.4	900
15-17	1.6			17.3							30.0	51.1	8.3	892
18-20	8.6			14.9							19.3	57.3	7.9	875
21-23	11.4			13.9							17.1	57.5	7.7	869
TOTALS	7.1			15.1							22.1	55.7	8.0	7108

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 792070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-87
 MONTH: ALL

		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
HOURS (LST)		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	5.5			13.6						23.7	57.3	8.3	7182
FEB		4.3			14.3						26.1	55.4	8.3	6698
MAR		5.8			21.0						31.3	41.9	7.6	7404
APR		6.3			24.0						32.6	37.1	7.4	7184
MAY		5.0			27.0						35.6	32.5	7.3	7440
JUN		6.1			30.4						36.4	27.1	6.9	7197
JUL		14.2			34.9						28.6	22.4	5.9	7433
AUG		16.1			35.2						26.5	22.3	5.7	7422
SEP		13.1			26.8						32.3	27.8	6.5	7145
OCT		11.2			22.0						28.7	38.2	7.1	7306
NOV		7.3			16.8						23.6	52.3	7.9	7132
DEC		7.1			15.1						22.1	55.7	8.0	7108
TOTALS		8.5			23.4						29.0	39.2	7.2	86651

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TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

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

DATA DERIVED FROM SUMMARY OF DAY DATA.

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

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

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

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

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

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

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

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

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

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

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070

STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 39-40, 60-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 95					.1		.4	1.4					.2
GE 90					.5	.9	3.4	3.9	.5				.8
GE 85					2.0	3.9	11.0	11.2	2.3	.1			2.6
GE 80				.6	4.8	11.7	24.9	22.5	7.5	.2			6.1
GE 75				2.0	10.8	23.7	45.7	43.8	19.2	1.2			12.4
GE 70		.4	.7	5.9	20.2	40.1	66.3	68.8	36.7	6.3	.2		20.7
GE 65		.8	2.6	13.6	38.1	63.9	89.7	90.4	66.1	19.9	.8		32.6
GE 60	.7	4.0	12.0	27.4	61.4	89.2	98.9	99.3	93.1	44.6	4.8	.8	45.1
GE 55	5.8	17.2	33.3	55.2	86.2	98.7	100.0	100.0	99.4	78.8	22.4	6.5	59.1
GE 50	21.9	45.5	66.0	88.2	98.4	99.9			100.0	95.2	54.2	25.6	74.9
GE 45	48.1	76.7	92.4	99.4	100.0	100.0				99.4	81.1	52.0	87.6
GE 40	73.8	94.8	99.0	100.0						100.0	94.6	77.6	95.0
GE 35	91.9	99.4	100.0								98.5	53.1	98.6
GE 30	97.8	100.0									99.5	57.8	99.6
GE 25	99.7										100.0	99.3	99.9
GE 20	100.0											99.9	100.0
GE 15												100.0	100.0
MEAN	43.9	48.9	52.2	56.5	63.0	68.6	74.0	74.1	68.3	59.2	49.8	44.6	58.6
SD	6.875	5.990	6.052	6.954	8.379	8.127	7.890	7.827	7.020	6.291	6.306	6.916	12.682
TOTAL OPS	863	791	868	870	868	870	890	868	840	868	840	862	10296

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070

STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 39-40, 60-87

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 65]							.1						.0
GE 60]					.1	1.3	2.9	3.8	1.1	.1			.8
GE 55]					1.7	12.8	29.9	42.2	14.8	1.8	.1		8.7
GE 57]	.7	1.3	.6	2.0	12.7	50.6	76.9	79.8	48.5	13.7	2.4	.9	24.5
GE 45]	6.6	7.3	8.4	11.8	44.0	85.2	96.2	96.4	78.3	40.1	16.9	9.0	42.1
GE 40]	22.6	25.5	31.5	44.3	79.5	97.9	99.8	99.9	94.9	69.9	42.3	26.2	61.5
GE 35]	43.7	52.7	60.8	78.0	96.3	99.8	100.0	100.0	99.0	89.6	67.1	50.2	78.4
GE 33]	56.3	63.7	72.5	86.4	98.2	100.0			99.8	95.0	77.0	62.2	84.5
GE 30]	71.3	80.5	86.8		100.0				100.0	98.7	88.2	77.0	91.7
GE 25]	87.7	95.6	98.6	100.0						99.9	96.4	92.6	97.6
GE 20]	94.6	98.4	99.9							100.0	99.3	96.5	99.1
GE 15]	97.1	99.5	100.0								99.6	98.1	99.5
GE 10]	99.3	99.9										99.1	99.8
GE 5]	100.0	100.0										99.9	100.0
GE 0]												100.0	100.0
MEAN	33.2	35.1	36.3	38.6	43.7	49.3	52.3	53.0	48.8	42.6	37.5	34.5	42.1
SD	7.999	6.637	5.810	5.113	5.158	4.596	4.035	4.311	5.441	6.025	7.029	7.597	9.125
TOTAL OBS	863	791	868	870	868	870	890	868	840	868	840	860	10296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 742070

STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 39-40, 60-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 80							.1	.2					.0
GE 75					.1	.5	2.0	3.1					.5
GE 70					.9	3.0	11.1	11.3	1.4				2.4
GE 65					3.8	14.1	35.3	39.5	11.7	.6			6.9
GE 60				1.7	14.9	45.1	79.3	82.7	40.7	4.8	.4		22.8
GE 55	.5	1.4	1.5	8.2	38.8	81.8	97.9	99.1	84.8	26.5	2.5	.1	37.3
GE 50	5.4	9.4	14.2	31.6	76.7	98.7	100.0	100.0	97.7	63.0	16.5	7.3	57.2
GE 45	22.0	33.0	49.7	74.6	97.8	100.0			99.9	90.1	49.9	26.0	70.6
GE 40	47.2	67.9	85.7	99.4	100.0				100.0	99.0	77.9	51.7	85.9
GE 35	74.6	93.9	98.2	100.0						99.9	93.8	79.8	95.0
GE 30	90.6	98.4	100.0							100.0	98.2	94.0	98.4
GE 25	96.9	99.5									99.6	97.7	99.5
GE 20	99.1	100.0										98.6	99.8
GE 15	100.0										100.0	99.9	100.0
GE 10												100.0	100.0
MEAN	38.8	42.2	44.5	47.8	53.6	59.2	63.4	63.8	58.8	51.2	43.9	39.8	50.6
SD	7.017	5.475	4.631	4.576	5.506	5.058	4.787	4.631	4.556	5.044	6.075	6.897	10.241
TOTAL OBS	863	791	868	870	868	870	890	868	840	868	840	860	10296

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 742073 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 39-40, 60-67

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
39				80	89	82	95	95	84	70	64	64	
40	62	60	64	83	80	89	*88						
60						82	93	98	82	68	60	60	
61	59	57	61	66	85	92	97	93	85	78	59	54	97
62	57	68	65	80	68	85	89	84	84	74	61	60	89
63	57	66	65	67	91	88	77	84	87	70	59	58	91
64	54	56	71	63	81	78	83	85	76	71	57	54	85
65	53	58	67	76	75	85	92	90	77	73	61	62	92
66	53	63	70	73	79	84	82	88	82	74	63	55	88
67	55	59	61	63	83	87	87	95	91	71	59	54	95
68	60	71	69	80	78	89	95	90	83	72	61	55	95
69	55	54	72	67	88	91	86	82	82	73	64	56	91
70	57	61	63	64	80	93	91	88	82	77	65	55	93
71	58	54	56	74	86	81	94	95	78	74	56	51	95
72	*51	59	69	77	90	81	93	92	87	74	58	56	93
73	57	64	62	68	86	91	89	84	87	71	60	57	91
74	56	54	61	70	68	82	89	90	91	78	60	57	91
75	56	59	59	66	81	87	87	81	83	79	70	56	87
76	56	53	60	79	79	83	83	78	83	71	64	60	83
77	59	62	59	74	70	85	86	98	77	70	60	56	98
78	54	58	68	69	81	89	94	97	70	74	60	53	97
79	52	56	66	74	78	85	95	82	90	74	58	*59	95
80	50	64	59	75	77	74	85	88	81	86	71	*64	88
81	*62	62	63	72	75	79	88	99	92	65	66	*57	99
82	*55	57	59	78	78	94	85	89	89	69	56	58	94
83	58	61	65	72	96	80	88	81	76	65	62	50	96
84	61	57	64	77	80	82	90	85	83	77	57	52	90
85	52	51	61	70	82	90	91	89	75	67	57	51	91
86	59	71	71	72	85	88	80	90	86	70	60	58	90
87	58	60	72	84									
MEAN	56.3	59.8	64.4	72.9	81.0	85.4	88.7	88.9	82.9	72.7	61.0	56.0	91.7
S.D.	2.979	5.092	4.564	5.945	5.642	4.873	5.003	5.817	5.381	4.506	3.791	3.559	4.004
TOTAL OBS	863	791	868	870	868	870	890	868	840	868	840	660	10296

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 39-40, 60-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
39				26	30	34	40	39	37	27	29	25	
40	18	24	27	30	30	37	*39						
60						43	46	45	38	34	25	25	
61	24	33	30	29	36	43	50	50	37	33	24	21	21
62	10	16	26	34	34	42	42	46	43	35	30	20	10
63	9	30	27	29	32	45	45	47	42	33	26	23	9
64	26	23	26	29	30	44	46	41	40	31	26	6	6
65	27	26	19	30	31	42	45	41	34	34	25	25	19
66	24	24	25	28	30	36	44	42	42	33	27	27	24
67	25	25	24	26	36	46	47	48	42	34	25	16	16
68	17	21	30	29	36	43	46	47	42	36	31	7	7
69	12	22	23	31	32	47	44	40	36	27	24	26	12
70	20	28	26	29	32	42	46	45	32	28	28	22	20
71	20	22	21	30	33	39	40	48	40	24	28	20	20
72	*5	9	28	31	35	42	47	48	32	28	31	7	*5
73	10	22	32	31	38	41	44	41	41	36	26	30	10
74	12	28	24	31	35	42	45	49	37	30	30	24	12
75	24	25	24	27	34	38	46	43	41	31	23	24	23
76	23	18	21	29	36	33	43	46	40	30	21	26	16
77	19	27	29	30	34	41	44	46	39	33	20	23	19
78	17	23	27	29	35	44	48	46	40	30	19	8	8
79	6	16	29	34	38	38	41	46	42	35	26	*28	6
80	7	29	29	32	34	38	47	42	46	34	32	*20	7
81	*31	25	29	30	37	39	42	45	42	30	26	*28	25
82	*13	19	28	29	35	41	44	44	37	29	26	24	*13
83	25	28	32	29	35	46	48	48	33	32	25	4	4
84	17	29	30	30	35	37	44	45	34	30	30	17	17
85	23	13	25	28	30	41	44	42	33	29	3	12	3
86	28	25	30	30	37	43	45	42	41	33	27	25	25
87	21	25	29	30									
MEAN	18.6	23.4	26.8	29.7	33.9	40.9	44.8	44.7	38.7	31.4	25.5	19.5	14.4
S.D.	6.646	5.377	3.315	1.838	2.538	3.515	2.382	2.967	3.742	3.023	5.460	7.660	6.831
TOTAL OBS	863	791	868	870	868	870	890	868	840	868	840	860	10296

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM
 HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	37.3	39.6	41.2	42.8	47.3	52.6	55.9	57.2	52.5	46.1	40.8	37.4	46.0
	SD	7.880	7.077	5.440	5.218	4.996	4.042	4.009	4.225	5.096	6.273	8.220	7.935	9.130
	TOT OBS	912	846	930	900	930	900	930	930	900	930	900	905	10913
03-05	MEAN	36.8	39.1	40.0	41.1	45.7	50.6	53.3	54.7	50.9	45.2	40.2	37.0	44.6
	SD	8.304	7.157	5.821	5.360	4.938	4.167	3.915	4.290	5.553	6.525	8.523	8.288	8.791
	TOT OBS	910	846	930	900	930	900	930	930	900	930	900	902	10908
06-08	MEAN	36.4	38.7	40.0	42.9	48.9	54.2	56.7	56.8	52.1	45.6	39.8	36.9	45.8
	SD	8.563	7.416	5.897	5.241	4.994	4.362	4.263	4.791	5.631	6.592	8.582	8.364	9.789
	TOT OBS	912	846	930	900	930	899	930	930	900	930	900	903	10910
09-11	MEAN	38.5	42.3	46.6	50.0	55.0	60.4	63.8	64.9	59.6	51.8	43.1	38.8	51.3
	SD	7.513	6.725	4.923	5.289	6.161	5.997	5.939	6.271	5.249	5.919	7.886	7.635	11.107
	TOT OBS	912	846	930	900	930	900	930	930	900	930	900	903	10911
12-14	MEAN	42.9	46.7	51.5	54.4	59.2	65.0	69.3	71.1	64.7	57.0	46.8	42.3	56.0
	SD	6.323	6.046	5.261	6.701	7.563	7.317	7.305	7.630	6.224	6.188	6.899	6.522	11.763
	TOT OBS	912	846	930	900	930	900	930	930	900	930	900	901	10909
15-17	MEAN	43.4	47.1	52.3	55.3	60.4	66.6	71.8	73.4	65.7	57.3	46.5	42.0	56.9
	SD	5.946	5.840	5.782	7.578	8.075	8.157	7.931	8.329	7.042	6.148	6.836	6.333	12.612
	TOT OBS	912	846	930	898	930	900	930	930	900	930	900	896	10902
18-20	MEAN	40.1	43.1	47.8	51.3	56.8	63.6	68.3	69.1	60.4	51.7	42.9	39.0	53.0
	SD	6.610	5.966	5.025	6.819	7.304	7.416	7.481	7.469	6.051	5.425	7.345	7.115	12.283
	TOT OBS	912	846	929	897	930	900	930	930	900	930	900	894	10898
21-23	MEAN	38.2	40.7	43.5	46.0	50.9	56.8	60.7	61.9	55.2	47.9	41.5	37.9	48.5
	SD	7.173	6.614	4.850	5.332	5.622	4.865	5.006	5.035	4.941	5.738	8.060	7.701	10.172
	TOT OBS	912	846	930	897	930	900	930	930	900	930	900	894	10899
ALL	MEAN	39.2	42.2	45.4	48.0	53.0	58.7	62.5	63.6	57.6	50.3	42.7	38.9	50.3
	SD	7.764	7.304	7.096	7.922	8.201	8.240	8.760	9.086	7.892	7.650	8.216	7.785	11.677
HOURS	TOT OBS	7294	6768	7439	7192	7440	7199	7440	7440	7200	7440	7200	7198	87250

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

WET-BULB TEMPERATURES DEG F FROM
 HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	35.5	37.9	39.4	40.5	44.5	49.3	52.4	53.6	50.2	44.2	39.1	35.7	43.6
	SD	7.729	6.802	5.278	4.806	4.486	3.585	3.512	3.797	4.949	5.916	7.943	7.843	8.472
	TOT OBS	912	846	930	900	930	900	930	929	900	930	900	905	10912
03-05	MEAN	35.1	37.5	38.3	39.2	43.3	47.9	50.6	51.9	48.9	43.5	38.5	35.3	42.6
	SD	8.105	6.908	5.667	5.088	4.642	3.832	3.678	4.178	5.365	6.225	8.122	8.138	8.361
	TOT OBS	910	846	930	900	930	900	930	930	900	930	900	902	10908
06-08	MEAN	34.8	37.3	38.4	40.6	45.6	50.4	53.0	53.5	49.9	43.9	38.1	35.1	43.4
	SD	8.300	7.110	5.710	4.879	4.334	3.377	3.359	4.058	5.301	6.211	8.212	8.177	8.961
	TOT OBS	912	846	930	900	930	899	930	930	899	930	898	902	10906
09-11	MEAN	36.7	40.0	43.0	45.0	49.1	53.6	56.8	57.9	54.5	48.5	40.7	36.7	47.0
	SD	7.356	6.372	4.262	4.194	4.376	3.741	3.637	3.666	3.890	4.763	7.480	7.498	9.043
	TOT OBS	912	846	930	900	930	900	930	930	900	930	900	902	10910
12-14	MEAN	39.7	42.8	45.5	47.1	51.1	55.8	59.2	60.5	56.7	51.3	43.2	39.3	49.4
	SD	6.429	5.735	4.039	4.671	4.720	4.128	3.980	3.818	3.911	4.467	6.541	6.654	8.764
	TOT OBS	912	846	930	900	930	900	929	930	900	930	900	901	10908
15-17	MEAN	40.0	42.9	45.7	47.3	51.4	56.4	60.0	61.0	56.8	51.4	43.0	39.1	49.7
	SD	6.217	5.557	4.147	4.829	4.653	4.361	3.930	3.817	4.202	4.590	6.553	6.619	8.941
	TOT OBS	912	846	930	898	930	900	930	930	898	930	900	896	10900
18-20	MEAN	37.8	40.6	43.5	45.3	49.7	54.9	58.5	59.3	54.7	48.6	40.8	36.9	47.6
	SD	6.758	5.897	4.308	4.780	4.550	4.095	3.897	3.762	4.274	4.829	7.190	7.160	9.227
	TOT OBS	912	846	929	897	930	900	930	930	900	930	900	894	10898
21-23	MEAN	36.4	38.8	41.1	42.6	46.7	51.8	55.2	56.2	52.0	45.9	39.6	36.0	45.3
	SD	7.207	6.488	4.707	4.606	4.460	3.599	3.528	3.576	4.520	5.399	7.792	7.647	8.822
	TOT OBS	912	846	930	897	930	900	930	930	900	930	900	894	10899
ALL HOURS	MEAN	37.0	39.7	41.9	43.4	47.7	52.5	55.7	56.7	53.0	47.2	40.4	36.8	46.1
	SD	7.533	6.716	5.570	5.577	5.359	4.839	4.914	5.040	5.430	6.138	7.719	7.638	9.198
	TOT OBS	7294	6768	7439	7192	7440	7199	7439	7439	7197	7440	7198	7196	87241

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM
 HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	32.6	35.5	36.9	37.6	41.4	46.2	49.4	50.4	48.1	42.4	36.6	32.7	40.9
	SD	9.268	7.712	5.777	5.207	4.837	4.209	3.983	4.581	5.453	6.249	8.808	9.437	9.003
	TOT OBS	912	846	930	900	930	900	930	929	900	930	900	905	10912
03-05	MEAN	32.3	35.2	36.0	36.6	40.6	45.4	48.3	49.5	47.1	41.7	36.0	32.4	40.2
	SD	9.485	7.700	6.178	5.485	5.030	4.319	4.211	4.862	5.737	6.612	8.898	9.643	9.011
	TOT OBS	910	846	930	900	930	900	930	930	900	930	900	902	10908
06-08	MEAN	32.1	35.1	36.0	37.7	42.1	46.9	49.9	50.6	47.9	42.0	35.6	32.1	40.7
	SD	9.523	7.709	6.176	5.261	4.653	3.769	3.590	4.484	5.567	6.529	8.977	9.632	9.319
	TOT OBS	912	846	930	900	930	899	930	930	899	930	898	902	10906
09-11	MEAN	33.6	37.1	38.7	39.3	43.2	47.7	51.3	52.6	50.3	45.4	37.6	33.5	42.6
	SD	8.857	7.233	5.258	5.076	4.734	4.071	3.710	3.864	4.634	5.109	8.466	9.230	8.987
	TOT OBS	912	846	930	900	930	900	930	930	900	930	900	902	10910
12-14	MEAN	35.1	37.9	38.5	39.1	43.3	48.1	51.7	52.9	50.1	46.0	38.7	34.8	43.1
	SD	9.317	7.605	5.868	5.915	5.137	4.774	4.014	4.102	5.298	5.435	8.307	9.518	9.032
	TOT OBS	912	846	930	900	930	900	929	930	900	930	900	901	10908
15-17	MEAN	35.2	37.7	38.1	38.4	42.8	47.9	51.3	52.1	49.5	45.8	38.7	34.6	42.7
	SD	9.443	7.790	6.310	6.333	5.629	5.192	4.530	4.640	5.845	5.737	8.338	9.712	9.158
	TOT OBS	912	846	930	898	930	900	930	930	898	930	900	896	10900
18-20	MEAN	34.3	37.3	38.4	38.6	42.6	47.4	50.9	51.9	49.7	45.5	37.9	33.6	42.4
	SD	9.056	7.433	5.868	5.971	5.540	5.148	4.570	4.725	5.344	5.422	8.260	9.502	9.092
	TOT OBS	912	846	929	897	930	900	930	930	900	930	900	894	10898
21-23	MEAN	33.4	36.3	38.0	38.7	42.4	47.2	50.7	51.6	49.2	43.8	37.0	32.8	41.8
	SD	9.037	7.576	5.527	5.236	4.949	4.375	3.997	4.435	5.147	5.836	8.724	9.595	9.095
	TOT OBS	912	846	930	897	930	900	930	930	900	930	900	894	10899
ALL HOURS	MEAN	33.6	36.5	37.6	38.2	42.3	47.1	50.4	51.4	49.0	44.1	37.3	33.3	41.8
	SD	9.313	7.666	5.971	5.636	5.143	4.585	4.226	4.603	5.492	6.132	8.666	9.576	9.144
	TOT OBS	7294	6768	7439	7192	7440	7199	7439	7439	7197	7440	7198	7196	87241

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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	99.9	99.1	98.1	96.3	90.0	71.2	26.1	83.8	912
	03-05	100.0	100.0	100.0	99.0	98.7	97.4	91.3	73.4	29.0	84.4	910
	06-08	100.0	100.0	100.0	99.6	99.0	97.6	93.6	73.8	28.7	84.8	912
	09-11	100.0	100.0	99.8	98.8	98.1	96.1	88.3	68.3	23.9	82.8	912
	12-14	100.0	100.0	97.9	96.2	93.5	83.7	68.6	43.1	9.9	75.1	912
	15-17	100.0	99.9	97.4	95.5	91.6	83.3	67.1	38.2	10.9	74.2	912
	18-20	100.0	100.0	99.2	98.1	97.0	92.3	82.8	62.9	18.4	80.8	912
	21-23	100.0	100.0	99.7	98.9	97.5	96.1	89.4	69.1	24.9	83.3	912
	TOTALS	100.0	100.0	99.2	98.2	96.7	92.9	83.9	62.5	21.5	81.2	7294

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	98.8	97.4	92.1	80.1	34.4	85.7	846
	03-05	100.0	100.0	100.0	100.0	99.4	97.3	93.3	81.7	36.2	86.3	846
	06-08	100.0	100.0	100.0	100.0	99.9	98.7	96.3	81.4	36.9	86.9	846
	09-11	100.0	100.0	100.0	100.0	98.6	95.5	86.8	63.7	21.7	82.3	846
	12-14	100.0	100.0	100.0	97.3	91.5	80.1	60.2	33.3	8.2	72.7	846
	15-17	100.0	100.0	99.8	96.1	89.5	74.8	53.5	31.1	9.0	71.1	846
	18-20	100.0	100.0	99.9	99.5	96.3	91.8	82.5	60.5	20.0	80.6	846
	21-23	100.0	100.0	100.0	100.0	98.0	95.3	91.1	77.2	31.7	84.8	846
	TOTALS	100.0	100.0	100.0	99.1	96.5	91.4	82.0	63.6	24.8	81.3	6768

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	100.0	99.2	95.3	74.7	19.7	84.6	930
	03-05	100.0	100.0	100.0	100.0	99.7	99.4	97.2	77.6	23.8	85.5	930
	06-08	100.0	100.0	100.0	100.0	99.9	99.5	96.5	78.7	23.9	85.4	930
	09-11	100.0	100.0	99.8	99.0	96.5	87.3	65.9	34.8	8.2	74.8	930
	12-14	100.0	100.0	98.6	92.5	80.1	54.8	32.9	13.0	2.2	63.0	930
	15-17	100.0	99.7	96.7	88.9	70.4	48.0	30.6	15.3	2.4	60.7	930
	18-20	100.0	100.0	99.6	97.3	90.1	77.7	57.5	29.2	6.6	71.4	929
	21-23	100.0	100.0	100.0	99.9	99.6	96.7	86.0	57.4	13.1	81.1	930
	TOTALS	100.0	100.0	99.3	97.2	92.0	82.8	70.2	47.6	12.5	75.8	7439

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 74207D STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 78-87
 MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	99.7	98.3	89.1	57.6	15.3	81.9	900
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	95.0	68.2	22.1	84.1	900
	06-08	100.0	100.0	100.0	100.0	99.9	98.9	89.1	57.9	16.3	82.0	900
	09-11	100.0	100.0	99.8	98.6	90.9	72.9	44.1	14.2	3.0	67.9	900
	12-14	100.0	99.9	97.2	89.1	67.7	43.1	21.0	8.2	1.1	58.2	900
	15-17	100.0	99.7	93.5	77.8	58.1	39.3	21.2	9.2	1.7	55.6	898
	18-20	100.0	100.0	98.0	91.4	76.0	58.4	39.1	16.9	3.8	64.0	897
	21-23	100.0	100.0	100.0	99.7	98.0	89.6	71.9	37.3	10.4	76.4	897
TOTALS		100.0	100.0	98.6	94.6	86.3	75.0	58.8	33.7	9.2	71.3	7192

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: MAY

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%			
MAY	00-02	100.0	100.0	100.0	100.0	100.0	98.4	88.0	48.4	9.8	80.3	930	
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	94.3	61.2	12.8	82.6	930	
	06-08	100.0	100.0	100.0	100.0	99.8	96.5	81.4	38.9	5.6	77.8	930	
	09-11	100.0	100.0	99.9	97.6	88.8	66.3	35.8	10.5	1.3	65.6	930	
	12-14	100.0	99.9	97.7	89.6	67.7	39.1	20.6	6.2	.6	57.6	930	
	15-17	100.0	99.4	93.4	80.6	55.8	34.0	21.7	7.5	.9	55.0	930	
	18-20	100.0	99.8	96.9	89.4	73.5	50.0	30.0	14.7	2.6	61.4	930	
	21-23	100.0	100.0	100.0	99.7	96.2	85.4	63.3	28.9	6.7	73.5	930	
	TOTALS	100.0	99.9	98.5	94.6	85.2	71.2	54.4	27.0	5.0	69.2	7440	

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

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	100.0	100.0	99.8	99.6	96.9	84.8	44.1	10.4	79.4	900
	03-05	100.0	100.0	100.0	100.0	99.7	98.3	95.1	59.1	16.7	82.7	900
	06-08	100.0	100.0	100.0	99.6	98.4	94.0	76.6	36.4	7.5	77.0	899
	09-11	100.0	100.0	99.7	96.0	87.0	61.8	29.3	9.3	1.9	64.3	900
	12-14	100.0	99.7	95.8	86.6	65.3	34.8	16.0	5.9	1.1	56.4	900
	15-17	100.0	99.0	93.2	78.7	53.6	27.7	14.3	7.6	.7	53.5	900
	18-20	100.0	99.4	95.2	84.8	68.1	42.7	20.3	8.6	1.8	58.1	900
	21-23	100.0	100.0	100.0	98.7	93.2	81.3	54.3	21.7	4.6	71.2	900
	TOTALS	100.0	99.8	98.0	93.0	83.1	67.2	48.8	24.1	5.6	67.8	7199

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.8	97.6	82.4	44.2	8.4	79.1	930
	03-05	100.0	100.0	99.9	99.7	99.7	99.6	94.8	64.6	17.4	83.4	930
	06-08	100.0	100.0	100.0	100.0	99.7	95.3	79.6	40.5	8.1	78.3	930
	09-11	100.0	100.0	100.0	98.7	88.1	61.2	31.6	9.5	1.7	65.0	930
	12-14	100.0	100.0	98.2	86.5	60.2	31.9	12.9	3.3	.4	55.2	929
	15-17	100.0	99.5	93.9	73.5	46.3	22.8	8.3	2.7	.8	50.6	930
	18-20	100.0	99.7	96.0	83.1	62.6	34.6	15.5	5.5	1.4	55.9	930
	21-23	100.0	100.0	100.0	99.6	94.7	79.1	51.8	16.8	4.0	70.5	930
	TOTALS	100.0	99.9	98.5	92.6	81.4	65.3	47.1	23.4	5.3	67.3	7439

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.2	94.4	78.6	42.1	4.7	78.4	929
	03-05	100.0	100.0	100.0	100.0	100.0	98.6	91.4	57.3	18.3	82.7	930
	06-08	100.0	100.0	100.0	100.0	99.7	97.0	82.9	47.6	14.0	80.2	930
	09-11	100.0	100.0	100.0	97.8	86.6	64.1	35.7	13.7	3.0	65.9	930
	12-14	100.0	100.0	96.2	83.9	57.0	28.7	14.2	4.8	1.0	54.4	930
	15-17	100.0	99.6	90.5	70.3	41.9	21.0	11.9	4.8	1.4	49.8	930
	18-20	100.0	99.9	95.4	83.3	62.3	37.4	20.3	7.5	1.7	56.7	930
	21-23	100.0	100.0	100.0	98.7	92.8	76.7	48.9	17.5	3.2	70.0	930
	TOTALS	100.0	99.9	97.8	91.8	79.9	64.7	48.0	24.4	6.4	67.3	7459

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	99.4	95.4	74.0	23.0	85.1	900
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.6	81.9	26.7	86.8	900
	06-08	100.0	100.0	100.0	100.0	99.8	99.3	96.6	74.7	23.1	85.5	899
	09-11	100.0	100.0	99.4	98.7	95.6	83.1	56.2	24.6	5.9	72.5	900
	12-14	100.0	99.7	98.1	92.2	77.2	49.2	23.2	9.4	2.3	61.0	900
	15-17	100.0	99.4	95.4	86.2	66.9	40.0	22.7	11.5	1.8	58.3	898
	18-20	100.0	100.0	99.4	95.9	89.0	73.4	50.8	24.3	4.2	69.5	900
	21-23	100.0	100.0	100.0	99.9	99.3	94.8	85.8	52.4	12.9	80.7	900
	TOTALS	100.0	99.9	99.0	96.6	91.0	79.9	66.0	44.1	12.5	74.9	7197

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: OCT

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%		
OCT	00-02	100.0	100.0	100.0	99.9	99.5	99.2	97.6	83.4	33.4	87.0	930
	03-05	100.0	100.0	100.0	99.7	99.6	99.6	97.8	84.8	36.0	87.6	930
	06-08	100.0	100.0	100.0	99.9	99.7	99.5	97.0	84.9	34.8	87.5	930
	09-11	100.0	100.0	99.9	99.2	98.0	93.5	79.1	50.2	16.6	79.7	930
	12-14	100.0	100.0	99.6	96.7	88.5	70.4	45.8	22.6	4.4	68.4	930
	15-17	100.0	100.0	99.8	96.5	86.5	65.9	40.5	19.0	4.6	67.0	930
	18-20	100.0	100.0	100.0	100.0	99.0	94.9	82.8	51.8	13.7	80.1	930
	21-23	100.0	100.0	100.0	100.0	99.8	99.4	94.1	76.9	27.1	85.6	930
TOTALS		100.0	100.0	99.9	99.0	96.3	90.3	79.3	59.2	21.3	80.4	7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETA/C
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 792070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	99.4	98.6	93.8	78.1	21.8	85.0	900
	03-05	100.0	100.0	100.0	100.0	99.2	98.1	93.8	77.2	28.0	85.3	900
	06-08	100.0	100.0	100.0	100.0	99.2	98.2	92.7	78.0	26.8	85.1	898
	09-11	100.0	100.0	100.0	99.6	98.0	94.4	84.1	62.4	16.2	81.3	900
	12-14	100.0	100.0	99.8	97.6	94.6	83.7	64.7	39.9	7.9	74.5	900
	15-17	100.0	100.0	99.7	98.0	95.0	86.3	68.9	42.1	8.4	75.4	900
	18-20	100.0	100.0	100.0	99.8	99.0	97.0	90.6	68.2	16.4	82.8	900
	21-23	100.0	100.0	100.0	99.9	99.1	98.0	93.7	73.1	21.2	84.3	900
TOTALS		100.0	100.0	99.9	99.4	97.9	94.3	85.3	64.9	18.3	81.7	7198

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-86
 MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.8	98.7	94.8	87.1	73.7	26.0	83.5	905
	03-05	100.0	100.0	99.9	99.7	99.2	95.7	87.8	74.9	25.2	83.6	902
	06-08	100.0	100.0	99.8	99.7	98.7	95.7	86.3	73.4	24.2	83.3	902
	09-11	100.0	100.0	99.6	99.1	97.7	95.0	85.1	66.1	19.7	81.8	902
	12-14	100.0	99.8	98.7	96.9	94.1	87.1	70.1	42.2	10.8	75.8	901
	15-17	100.0	100.0	98.7	96.7	93.8	86.7	69.1	48.4	13.1	76.3	896
	18-20	100.0	100.0	99.2	98.4	96.4	93.5	81.8	67.7	23.9	81.5	894
	21-23	100.0	100.0	99.7	99.2	97.3	93.8	84.5	72.3	24.9	82.6	894
	TOTALS		100.0	100.0	99.5	98.7	97.0	92.8	81.5	64.8	21.0	81.1

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-87
 MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.2	98.2	96.7	92.9	83.9	62.5	21.5	81.2	7294
FEB		100.0	100.0	100.0	99.1	96.5	91.4	82.0	63.6	24.8	81.3	6768
MAR		100.0	100.0	99.3	97.2	92.0	82.8	70.2	47.6	12.5	75.8	7439
APR		100.0	100.0	98.6	94.6	86.3	75.0	58.8	33.7	9.2	71.3	7192
MAY		100.0	99.9	98.5	94.6	85.2	71.2	54.4	27.0	5.0	69.2	7440
JUN		100.0	99.8	98.0	93.0	83.1	67.2	48.8	24.1	5.6	67.8	7199
JUL		100.0	99.9	98.5	92.6	81.4	65.3	47.1	23.4	5.3	67.3	7439
AUG		100.0	99.9	97.8	91.8	79.9	64.7	48.0	24.4	6.4	67.3	7435
SEP		100.0	99.9	99.0	96.6	91.0	79.9	66.0	44.1	12.5	74.9	7197
OCT		100.0	100.0	99.9	99.0	96.3	90.3	79.3	59.2	21.3	80.4	7440
NOV		100.0	100.0	99.9	99.4	97.9	94.3	85.3	64.9	18.3	81.7	7198
DEC		100.0	100.0	99.5	98.7	97.0	92.8	81.5	64.8	21.0	81.1	7196
TOTALS		100.0	100.0	99.0	96.2	90.3	80.7	67.1	44.9	13.6	74.9	87241

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PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	29.736	29.657	29.656	29.715	29.719	29.726	29.739	29.691	29.688	29.735	29.690	29.734	29.708
	SD	.290	.275	.242	.198	.156	.127	.099	.104	.153	.203	.263	.274	.211
	TOT OBS	304	282	310	300	310	300	310	310	300	310	300	300	3636
04	MEAN	29.738	29.649	29.650	29.712	29.718	29.727	29.743	29.694	29.686	29.731	29.686	29.733	29.706
	SD	.289	.277	.247	.197	.158	.130	.100	.104	.156	.203	.273	.273	.213
	TOT OBS	304	282	310	300	310	300	310	310	300	310	300	301	3637
07	MEAN	29.733	29.651	29.660	29.723	29.732	29.743	29.760	29.713	29.702	29.739	29.687	29.732	29.715
	SD	.290	.277	.247	.199	.160	.133	.102	.106	.159	.206	.280	.273	.215
	TOT OBS	304	282	310	300	310	300	310	310	300	310	300	301	3637
10	MEAN	29.755	29.670	29.675	29.729	29.732	29.742	29.761	29.715	29.711	29.752	29.704	29.755	29.726
	SD	.288	.278	.245	.198	.160	.132	.100	.106	.162	.208	.279	.279	.215
	TOT OBS	304	282	310	300	310	300	310	310	300	310	300	301	3637
13	MEAN	29.732	29.657	29.660	29.710	29.717	29.730	29.748	29.697	29.694	29.733	29.686	29.735	29.709
	SD	.283	.275	.239	.195	.159	.128	.100	.106	.159	.202	.270	.280	.211
	TOT OBS	304	282	310	300	310	300	309	310	300	310	300	300	3635
16	MEAN	29.725	29.640	29.639	29.689	29.698	29.711	29.723	29.669	29.674	29.717	29.678	29.729	29.691
	SD	.279	.272	.234	.192	.156	.127	.100	.107	.153	.197	.260	.281	.208
	TOT OBS	304	282	310	299	310	300	310	310	300	310	300	299	3634
19	MEAN	29.725	29.646	29.644	29.686	29.697	29.704	29.714	29.660	29.674	29.720	29.679	29.731	29.690
	SD	.281	.272	.233	.191	.154	.125	.096	.105	.150	.198	.259	.279	.207
	TOT OBS	304	282	310	299	310	300	310	310	300	310	300	298	3633
22	MEAN	29.731	29.652	29.660	29.709	29.720	29.725	29.737	29.683	29.690	29.729	29.686	29.738	29.705
	SD	.284	.273	.237	.194	.155	.125	.096	.107	.150	.202	.260	.281	.209
	TOT OBS	304	282	310	299	310	300	310	310	300	310	300	298	3633
ALL	MEAN	29.735	29.653	29.655	29.709	29.717	29.726	29.741	29.690	29.690	29.732	29.687	29.736	29.706
	SD	.285	.275	.240	.196	.158	.129	.100	.107	.156	.202	.268	.277	.211
HOURS	TOT OBS	2432	2256	2480	2397	2480	2400	2479	2480	2400	2480	2400	2398	29082

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HBS FROM
 HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 742070 STATION NAME: FT LEWIS/GRAY AAF WA

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	1018.4	1015.7	1015.6	1017.6	1017.7	1017.9	1018.3	1016.6	1016.6	1018.2	1016.8	1018.4	1017.3
	SD	9.928	9.424	8.251	6.746	5.313	4.285	3.344	3.528	5.218	6.920	9.007	9.385	7.191
	TOT OBS	304	282	310	300	310	300	310	310	310	300	310	300	300
04	MEAN	1018.5	1015.4	1015.4	1017.5	1017.7	1017.9	1018.4	1016.7	1016.5	1018.1	1016.7	1018.3	1017.3
	SD	9.891	9.510	8.428	6.709	5.385	4.411	3.379	3.508	5.291	6.910	9.339	9.366	7.270
	TOT OBS	304	282	310	300	310	300	310	310	300	310	300	301	3637
07	MEAN	1018.4	1015.5	1015.8	1017.9	1018.1	1018.4	1019.0	1017.4	1017.1	1018.4	1016.7	1018.3	1017.6
	SD	9.933	9.504	8.428	6.774	5.457	4.493	3.423	3.570	5.422	6.998	9.583	9.345	7.331
	TOT OBS	304	281	310	300	310	299	310	310	300	310	300	301	3635
10	MEAN	1019.1	1016.1	1016.3	1018.1	1018.1	1018.4	1019.0	1017.5	1017.4	1018.9	1017.3	1019.1	1017.9
	SD	9.863	9.488	8.390	6.718	5.429	4.454	3.343	3.583	5.516	7.086	9.569	9.567	7.333
	TOT OBS	304	282	310	300	310	300	310	310	300	310	300	301	3637
13	MEAN	1018.3	1015.7	1015.8	1017.4	1017.6	1018.0	1018.6	1016.8	1016.8	1018.2	1016.7	1018.4	1017.4
	SD	9.722	9.405	8.173	6.620	5.407	4.340	3.358	3.592	5.407	6.882	9.248	9.586	7.213
	TOT OBS	304	282	310	300	310	300	309	310	300	310	300	300	3635
16	MEAN	1018.0	1015.1	1015.1	1016.7	1017.0	1017.4	1017.7	1015.9	1016.1	1017.6	1016.4	1018.2	1016.8
	SD	9.596	9.320	7.992	6.538	5.304	4.308	3.371	3.618	5.192	6.681	8.906	9.601	7.105
	TOT OBS	304	282	310	299	310	300	310	310	300	310	300	299	3634
19	MEAN	1018.1	1015.3	1015.2	1016.7	1017.0	1017.1	1017.4	1015.6	1016.1	1017.8	1016.4	1018.3	1016.8
	SD	9.627	9.282	7.938	6.487	5.200	4.237	3.259	3.596	5.103	6.764	8.878	9.563	7.071
	TOT OBS	304	282	310	299	310	300	310	310	300	309	300	298	3632
22	MEAN	1018.3	1015.5	1015.8	1017.4	1017.7	1017.8	1018.2	1016.4	1016.6	1018.1	1016.7	1018.5	1017.3
	SD	9.724	9.333	8.111	6.610	5.262	4.228	3.212	3.643	5.108	6.884	8.919	9.605	7.132
	TOT OBS	304	282	310	299	310	300	310	310	300	309	300	298	3632
ALL HOURS	MEAN	1018.4	1015.5	1015.6	1017.4	1017.6	1017.9	1018.3	1016.6	1016.6	1018.2	1016.7	1018.4	1017.3
	SD	9.777	9.398	8.212	6.658	5.353	4.359	3.372	3.627	5.292	6.892	9.176	9.492	7.215
	TOT OBS	2432	2255	2480	2397	2480	2399	2479	2480	2400	2478	2400	2398	29078

END

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