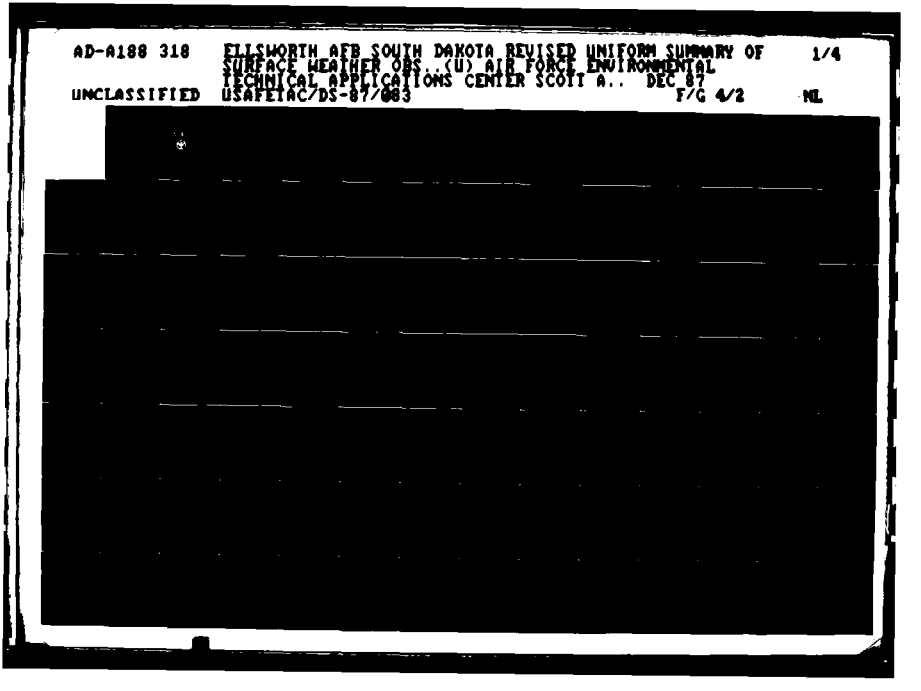
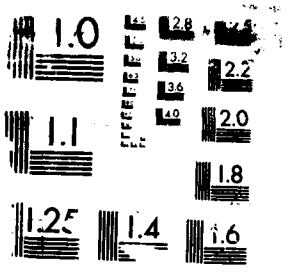
AD-A188 318 ELLSWORTH AFB SOUTH DAKOTA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBS..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. DEC 87 1/4

UNCLASSIFIED USAFETAC/DS-87/083 F/G 4/2 NL





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AD-A188 318

USSD 726625 USAFETAC/DS-87/083

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OPERATING LOCATION - A
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

ELLSWORTH AFB SD MSC 726625
N 44 09 W 103 08 ELEV 3276 FT KRCA

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:
HOURLY OBSERVATIONS: SEP 77 - AUG 87

SUMMARY OF DAY DATA: FEB 39 - JUN 45,
APR 48 - AUG 87

DEC 16 1987

"Approved for public release;
Distribution Unlimited"

FEDERAL BUILDING

ASHEVILLE, N.C. 28801 - 2723

88 1 E 234

REPORT DOCUMENTATION PAGE

1a. **Report Security Classification:** UNCLASSIFIED

3. **Distribution/Availability of Report:** Approved for public release; Distribution unlimited.

4. **Performing Organization Report Number:** USAFETAC/DS-87/083.

5. **Monitoring Organization Report Number:** USAFETAC/DS-87/083.

6a. **Name of Performing Organization:** USAFETAC/OL-A
6b. **Office Symbol:**
6c. **Address:** Federal Building, Asheville, NC 28801-2723.

11 **Title:** (RUSSWO) Ellsworth AFB SD.

12 **Personal Author(s):**

13a **Type of Report:** Data Summary
13b **Time Covered:** Feb 39-Jun 45, Apr 48-Aug 87.

14 **Date of Report:** Dec 87

15 **Page Count:** 312

16 **Supplementary Notation:**

17 **COSATI Codes:** Field--04, Group--02

18 **Subject Terms:** *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Ellsworth AFB SD; Rapid City AAF SD; South Dakota; USSD726625.

19 **Abstract:** A six-part statistical data summary of surface weather observations for: Ellsworth AFB SD. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.

20 **Distribution/Availability of Abstract:** Same as report.

21 **Abstract Security Classification:** UNCLASSIFIED.

22a **Name of Responsible Individual:** Marianne L. Cavanaugh
22b **Telephone:** (618)256-2625
22c **Office Symbol:** USAFETAC/LDD

DD FORM 1473UNCLASSIFIED

REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-87/083 Ellsworth AFB SD (RUSSWO) Dec 1987 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

WALTER S. BURGMANN
Scientific and Technical Information Program Manager

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STATION NAME: ELLSWORTH AFB SD

STATION NUMBER: 726625

CALL ID: KRCA

PERIOD OF RECORD:

HOURLY OBSERVATIONS: SEP 77 - AUG 87

SUMMARY OF DAY DATA: FEB 39 - JUN 45, APR 48 - AUG 87

HOURS SUMMARIZED: 0000-2300 LST

TIME CONVERSION LST TO GMT: +7

DATE PRODUCED: 3 DEC 1987

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

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

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

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

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

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

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

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PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

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

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
726625	ELLSWORTH AFB SD/RAPID CITY	N 44 09	W 103 08	3276	KRCA	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Rapid City AAF Weather Stn SD	AAF	Feb 1939	Jun 1944	N 44 08	W 103 06	3210	3190	24
2	Same *	Same	Jul 1944	May 1948	Same	W 103 05	3196	3189	24
3	Rapid City AFB SD	AFB	Jun 1948	Mar 1954	N 44 09	W 103 06	3246	3215	24
4	Ellsworth AFB SD	Same	Apr 1954	May 1955	Same	Same	Same	Same	24
5	Same	Same	Jun 1955	Feb 1958	Same	Same	Same	Same	24
6	Same	Same	Mar 1958	Dec 1970	Same	Same	3276	Same	24
7	Same	Same	Jan 1971	Dec 1979	Same	Same	Same	Same	24
8	Same	Same	Jan 1980	Mar 1984	Same	Same	Same	Same	24
9	Same	Same	Apr 1984	Aug 1987	Same	W 103 08	Same	Same	24
	* Station closed Jul 45-Mar 48								

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	Feb 1939	Not available.	Anemometer	N/A	N/A	
2	Jan 1948	Not available.	Same	N/A	N/A	
3	Jun 1950	Located on control tower.	Selsyn	ML-144	100 ft	
4	Jun 1955	Same	GMQ-11	RO-2	107 ft	
5	Apr 1956	Located approximately 1200 ft SW of weather station near center of NW-SE runway.	AN/GMQ-11	Same	13 ft	
6	May 1964	1. Runway 30-Located 800 ft from centerline and 1700 ft from end of runway.	AN/GMQ-20	RO-2A	20 ft	
		2. Runway 12-Located 730 ft from centerline and 500 ft from end of runway.	Same		28 ft	

CONTINUED ON REVERSE SIDE

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	
7	May 1969	1. Same	Same	RO-362	Same	
		2. Same	Same		Same	
8	Jan 1971	1. Located 887 ft from centerline and 1886 ft from end of rnwy 30.	Same	Same	Same	
		2. Located 730 ft from centerline and 892 ft from end of rnwy 12.	Same		Same	
9	Dec 1979	1. Same	Same	Same	Same	
		2. Same	Same		Same	
	Mar 1984	1. Same	Same	Same	Same	
		2. Same	Same		Same	

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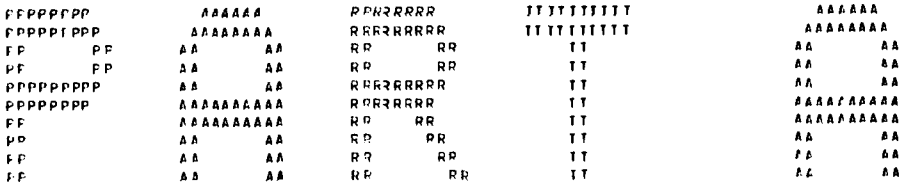


WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

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 (1.00 METERS).

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

NOTES:

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

2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1975, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JAN

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		1.0	.6	15.1		16.5	2.9		1.8		4.7	930
03-05		.4	.4	17.1		17.3	3.7		2.9		6.6	930
06-08		.3	1.0	17.4		18.5	4.5		2.4		6.9	930
09-11		.6	.4	15.6		16.6	6.2	.1	3.4		9.5	930
12-14		.4	.2	14.2		14.7	4.3		3.4		7.6	930
15-17		1.0		11.9		12.8	3.0		3.3		6.2	930
18-20		1.3	.4	14.3		15.8	2.5		2.3		4.7	930
21-23		.9	.5	16.2		17.4	2.0		1.6		3.7	930
TOTALS		.8	.4	15.2		16.2	3.6	.0	2.6		6.2	7440

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: FEB

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		.5	.4	20.0		20.8	6.1		2.8		9.0	846
03-05		.9	.7	20.8		22.3	7.1		2.0		9.1	846
06-08		.7	1.8	19.7		21.5	7.9	.1	2.8		10.9	846
09-11		1.2	.6	18.6		19.6	8.7	.4	3.1		12.2	846
12-14		1.4		15.4		16.8	6.4	.1	3.5		10.0	846
15-17		.6		17.8		18.3	4.7	.2	2.7		7.7	846
18-20		.6		17.8		18.4	4.1		3.4		7.6	846
21-23		.7	.1	19.9		20.6	4.3		2.4		6.6	846
TOTALS		.8	.5	18.8		19.8	6.2	.1	2.8		9.1	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: MAR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		4.6	1.1	14.5		18.2	6.8		2.4		9.1	930
03-05		2.9	.9	16.5		19.0	6.8		2.5		9.2	930
06-08		2.9	.6	16.5		19.4	11.2		3.3		14.5	930
09-11		3.3	.4	17.1		19.4	9.6	.2	2.8		12.7	930
12-14		3.5	.3	13.0		15.9	5.9	.1	2.6		8.2	930
15-17		4.2	.1	11.0		14.7	4.4		1.3		5.4	930
18-20	.2	2.5	.2	12.0		14.2	5.8		1.5		7.3	930
21-23		4.1	.3	13.0		15.9	6.1		2.4		8.5	930
TOTALS	.0	3.5	.5	14.2		17.1	7.1	.0	2.4		9.3	7440

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: APR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		6.3		9.0		14.0	5.3		1.7		6.9	900
03-05		4.2	.1	9.0	.1	12.4	5.4		1.7	.3	7.4	900
06-08	.1	5.6	.1	9.1		13.9	8.4		1.7	.4	10.3	900
09-11	.1	5.8		7.6		12.7	6.2	.1	1.7	.2	7.8	900
12-14		5.4		7.4		11.4	4.4	.1	1.7		5.9	900
15-17	.4	6.9		7.0		13.3	3.6	.1	1.4		5.3	900
18-20	.4	5.7		7.4		12.6	4.4		2.0	.3	6.6	900
21-23	.2	6.4	.2	6.6		14.2	3.7		1.7		5.3	900
TOTALS	.2	5.6	.1	8.1	.0	13.1	5.2	.0	1.7	.2	6.9	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: MAY

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.1	12.5		1.3		13.3	3.7				3.7	930
03-05	.4	11.9		1.3		12.8	7.2				7.2	930
06-08	.3	10.6		1.4		11.3	9.0				9.0	930
09-11	.3	10.5		1.5		11.8	4.8				4.8	930
12-14	3.5	13.9		1.3	.2	14.6	4.1	.3		.3	4.7	930
15-17	2.4	12.2		.6	.1	12.7	2.7			.3	3.0	930
18-20	2.2	11.9	.1	.3	.3	12.3	3.8			.3	4.1	930
21-23	2.4	12.9		1.2		13.5	2.7				2.7	930
TOTALS	1.6	12.0	.0	1.1	.1	12.8	4.8	.0		.1	4.9	7440

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: JUN

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	4.6	10.2				10.2	1.2				1.2	900
03-05	1.6	9.2				9.2	3.0				3.0	900
06-08	.7	7.3				7.3	3.8				3.8	900
09-11	.2	6.0				6.0	2.6			.1	2.7	900
12-14	4.0	7.9				7.9	1.1	.1			1.2	900
15-17	6.4	9.2				9.2	.7				.7	900
18-20	5.4	8.6			.1	8.6	.8				.8	900
21-23	5.1	10.0				10.0	.9				.9	900
TOTALS	3.5	8.6			.0	8.6	1.9	.0		.0	1.8	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUL

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	3.1	5.9				6.9	1.6				1.6	930
03-05	1.3	4.0				4.0	3.5				3.5	930
06-08	.9	4.5				4.5	3.4	.1			3.5	930
09-11	.6	3.7			.1	3.7	.8				.8	930
12-14	3.8	5.7				5.7	.8	.2			1.0	930
15-17	5.4	8.1				8.1	.8	.3			1.1	930
18-20	5.5	7.1				7.1	.6	.2			.9	930
21-23	4.1	6.3				6.3	1.1				1.1	930
TOTALS	3.0	5.8			.0	5.8	1.6	.1			1.7	7440

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: AUG

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.7	5.2				5.2	1.1				1.1	930
03-05	.9	4.5				4.5	2.0				2.0	930
06-08	.6	4.3				4.3	2.3				2.3	930
09-11	.2	3.7				3.7	.4	.1			.9	930
12-14	3.7	4.1			.1	4.1	.1	.3			.4	930
15-17	5.2	5.8			.2	5.8	.4				.4	929
18-20	4.0	5.4				5.4	.4				.4	927
21-23	3.5	5.8				5.8	.3	.1			.4	927
TOTALS	2.5	4.8			.0	4.8	.9	.1			1.0	7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: SEP

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.1	7.7		.6		8.2	3.8				3.8	900
03-05	.6	7.4		1.0		8.4	5.0				5.0	900
06-08	.3	8.3		1.6		9.6	6.4				6.4	900
09-11	.1	7.7		1.1		8.7	5.3				5.3	900
12-14	.3	6.3		1.7		8.0	3.3				3.3	900
15-17	1.0	6.1		.8		8.8	3.3				3.3	900
18-20	1.7	8.7		.7		9.2	2.4				2.4	900
21-23	.9	9.6		.9		10.2	3.1				3.1	900
TOTALS	.8	7.7		1.1		8.6	4.1				4.1	7200

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: OCT

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.2	7.6		2.0		9.0	2.7				2.7	930
03-05	.2	7.2		2.7		8.9	3.1		.1		3.2	930
06-08	.5	6.9	.2	2.9	.1	9.4	4.0	.1	.2		4.3	930
09-11	.2	7.0		2.6		9.5	2.8	.1			2.9	930
12-14		6.9		1.3	.1	8.2	2.4	.1			2.5	930
15-17		6.7		1.4		8.0	2.9	.2	.1		3.2	930
18-20	.2	6.7		2.8		9.1	1.1				1.1	930
21-23	.3	7.5		2.7		9.9	1.5				1.5	930
TOTALS	.2	7.1	.0	2.3	.0	9.0	2.6	.1	.1		2.7	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		1.4	.1	14.8		15.7	3.0		2.2		5.2	900
03-05		1.3	.7	13.6		15.0	4.9		1.8		6.7	900
06-08		2.0	.9	13.9		16.1	5.3	.1	1.9		7.2	900
09-11		1.6	.8	13.8		15.8	4.3		2.2		6.6	900
12-14		1.2	.2	12.2		13.4	4.9		2.1		7.0	900
15-17		1.3	.2	12.0		13.3	4.4		2.0		6.4	900
18-20		1.3	.3	12.7		14.1	3.3		2.2		5.6	900
21-23		1.9	.3	14.2		16.2	3.1		2.3		4.9	900
TOTALS		1.5	.4	13.4		15.0	4.2	.0	2.1		6.2	7200

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		.8	1.1	15.4		16.7	3.2		1.5		4.7	930
03-05		.5	1.0	15.2		16.5	4.5		1.8		6.3	930
06-08		.6	.5	15.1		16.1	4.4		1.8		6.2	930
09-11	.1	.4	.1	14.6		15.1	4.0		2.2		6.1	930
12-14		.4	.3	11.6		12.2	2.8	.1	1.6		4.7	930
15-17		.6	.2	10.8		11.3	2.0		2.4		4.4	930
18-20		.2	.5	13.9		14.2	2.3		1.7		4.0	930
21-23		.1	.5	12.9		14.0	2.3		1.7		4.0	930
TOTALS	.0	.6	.5	13.7		14.5	3.2	.0	1.9		5.1	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-87
MONTH: ALL

	HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN	ALL		.8	.4	15.2		16.2	3.6	.0	2.6		6.2	7440
FEB			.6	.5	18.8		19.8	6.2	.1	2.8		9.1	6768
MAR		.0	3.5	.5	14.2		17.1	7.1	.0	2.4		9.3	7440
APR		.2	5.8	.1	8.1	.0	13.1	5.2	.0	1.7	.2	6.9	7200
MAY		1.6	12.0	.0	1.1	.1	12.8	4.9	.0		.1	4.9	7440
JUN		3.5	8.6			.0	8.6	1.8	.0		.0	1.8	7200
JUL		3.0	5.8			.0	5.8	1.6	.1			1.7	7440
AUG		2.5	4.8			.0	4.9	.9	.1			1.0	7433
SEP		.8	7.7		1.1		8.6	4.1				4.1	7200
OCT		.2	7.1	.0	2.3	.0	9.6	2.6	.1	.1		2.7	7440
NOV			1.5	.4	13.4		15.0	4.2	.0	2.1		6.2	7200
DEC		.0	.6	.5	13.7		14.5	3.2	.0	1.9		5.1	7440
	TOTALS	1.0	4.9	.2	7.3	.0	12.1	3.6	.0	1.1	.0	4.9	87641

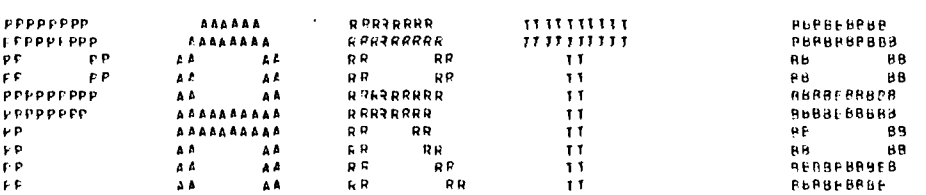
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 49-87
MONTH: ALL

MONTH	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN		8.5	2.2	47.9		50.7	16.7	.3	15.2	.1	28.2	1196
FEB		11.5	3.5	50.6		54.1	25.2	.9	13.3		33.9	1100
MAR	.4	18.6	3.0	46.1		53.5	23.4	1.0	11.3	.3	31.7	1205
APR	4.1	36.8	1.6	27.3	.7	51.2	20.7	1.3	4.8	.1	23.8	1155
MAY	18.2	54.9	.2	4.1	4.2	56.2	16.1	.5	.5		16.9	1209
JUN	33.2	55.1		.4	4.4	55.2	12.1	.2	.1		12.2	1170
JUL	34.2	48.6			4.1	48.6	6.5	.2			6.6	1209
AUG	26.6	42.9			2.9	42.9	6.5	.5			6.8	1209
SEP	9.8	34.6	.2	3.5	.6	35.6	10.1	.1	.1		10.2	1140
OCT	1.0	24.8	.8	11.0	.3	30.3	10.4	.2	1.0		11.2	1178
NOV	.1	14.4	2.5	31.3	.2	38.4	16.1	.3	8.2		21.4	1139
DEC	.1	9.9	3.0	42.7		46.1	18.4	.2	11.2		26.6	1177
TOTALS	10.6	30.0	1.4	22.1	1.4	46.9	15.2	.5	5.5	.0	19.1	14089



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 "0.0" 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: "0.00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: "0.0" EQUALS NONE FOR THE MONTH (TENTHS)

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

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

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

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

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

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

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 43-45, 46-87

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01 TO .05	.06 TO .10	.11 TO .25	.26 TO .50	.51 TO 1.00	1.01 TO 2.50	2.51 TO 5.00	5.01 TO 10.00	10.01 TO 20.00	OVER 20.00	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
JAN	49.6	29.4	4.6	7.9	3.2	3.9	.7		.1				20.4	1271	.47	1.74	TRACE
FEB	45.2	32.1	3.5	8.6	4.0	4.9	1.1	.5	.1				22.7	1157	.64	2.19	TRACE
MAR	46.2	28.2	5.0	8.1	5.4	4.1	2.3	.6	.3				25.8	1300	.98	3.12	.05
APR	50.4	22.6	3.3	6.6	3.7	6.0	3.8	2.5	1.1				27.0	1284	1.91	5.59	.02
MAY	43.6	21.6	3.6	6.6	6.2	7.0	5.0	4.2	1.9	.1			34.6	1333	2.94	9.81	.23
JUN	43.2	19.3	2.7	8.9	5.3	8.0	6.7	4.0	2.0	.1			37.7	1266	3.13	7.74	.84
JUL	51.2	22.4	3.1	6.3	4.3	5.2	3.5	3.2	.9	.2			26.4	1293	2.08	5.73	.04
AUG	56.4	19.8	2.8	5.9	3.7	4.7	4.4	2.2	.5				23.3	1302	1.61	4.10	.07
SEP	59.4	16.1	2.2	6.0	2.9	4.1	2.1	1.7	.5				19.5	1230	1.12	3.57	.01
OCT	69.8	14.8	2.1	4.3	2.8	2.8	2.3	1.3	.4				15.4	1271	.95	3.54	.01
NOV	61.4	23.7	2.6	6.1	3.2	3.8	1.2	.9	.1				17.9	1229	.65	2.87	.08
DEC	54.7	26.5	3.7	7.3	3.9	3.2	.7						18.8	1267	.46	1.10	TRACE
ANN	53.0	22.9	3.3	6.9	4.0	4.8	2.8	1.7	.7	.0			24.1	15203	16.76		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 43-45, 48-87

24 HOUR AMOUNTS IN INCHES

YEAR	-M-O-N-T-H-S- JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43			*.05	*.03	.75	*.85	*.70	.03	.16	.48	.10	.05	
44	1.22	.29	.24	.65	1.64	1.60	2.22	.40	.14	.40	1.05	.16	2.22
45	.18	.15	2.20	.10	.59	.65							
48				*.02	.70	.85	.84	1.09	.22	.99	.10	.14	
49	.12	.25	.16	1.05	1.03	1.33	.03	.38	.04	.59	.09	*.15	1.33
50	.50	.26	.61	1.40	1.00	.44	.39	.75	1.21	.38	.22	TRACE	1.40
51	.06	TRACE	.20	.10	.32	.97	.62	1.34	.99	.65	.09	.24	1.34
52	.01	.30	.36	.17	1.31	.66	.98	.74	.01	.01	.28	.03	1.31
53	.15	.64	.49	1.07	.42	1.90	.47	.82	.43	.04	.15	.07	1.90
54	.07	.17	1.39	.17	.99	1.36	.34	.66	.05	.47	.45	.11	1.36
55	.20	.99	.30	.63	1.58	.55	1.29	.48	.90	.15	.28	.22	1.58
56	.27	.11	.71	.56	.53	.54	.50	.73	1.34	.20	.40	.10	1.34
57	.15	.18	.19	.37	1.53	.59	.21	.54	.40	.33	.16	.03	1.53
58	.29	.14	.40	1.72	.41	1.85	.69	.43	.04	.33	.30	.22	1.85
59	.20	.24	.06	.73	1.07	.77	1.01	.79	1.09	.05	.63	.12	1.08
60	.14	.79	.27	.77	.70	1.35	.09	1.13	.57	.01	.19	.48	1.35
61	.11	.10	.39	.52	.33	.60	.52	.07	.27	.66	.34	.17	.66
62	.39	.31	.33	.27	2.09	.63	1.17	.40	.23	1.42	.04	.14	2.09
63	.22	.48	.95	1.27	1.14	1.55	.50	.32	.72	.30	.19	.04	1.55
64	.72	.33	.51	.65	.89	1.43	.22	1.01	.72	.49	.17	.27	1.43
65	.24	.05	.16	.45	3.09	.76	.78	.63	.59	.33	.09	.15	3.09
66	.36	.62	1.43	*1.40	.13	.49	1.68	.61	1.93	.82	.37	.10	1.93
67	.17	.07	.17	1.84	1.25	2.42	.84	.28	.57	.05	.20	.11	2.42
68	.10	.13	.04	.74	.36	2.30	1.25	.78	.41	.06	.16	.30	2.30
69	.23	.23	.14	.44	1.31	.65	3.23	.04	.29	.31	.11	.16	3.23
70	.31	.32	.38	1.66	.70	1.60	.37	.19	.48	.22	.54	.22	1.80
71	.44	.25	.46	.83	1.22	.55	.31	.34	.95	.68	.23	.04	1.22
72	.11	.11	.19	.83	.73	2.30	2.66	.82	.10	.71	.11	.16	2.66
73	.02	*.05	1.26	.87	.71	.51	.60	.53	.59	.98	.25	.21	1.26
74	.06	.24	.19	.48	.70	.47	.59	1.03	.71	.79	.07	.05	1.03

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 43-45, 48-87

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	.25	.09	.31	.66	.59	1.17	.91	.40	.03	.27	.13	.26	1.17
76	.26	.13	.10	.82	1.02	3.25	.50	.41	.16	.32	*.32	.16	3.25
77	.17	.09	.66	.94	1.18	.32	.70	.44	1.80	.96	.70	.10	1.80
78	.35	.19	.14	1.50	.63	.45	1.33	.73	.09	.15	.91	.11	1.50
79	.19	.15	.11	.23	.36	1.13	.90	1.05	.12	.29	.09	.02	1.13
80	.14	.14	.38	.40	.97	.54	.29	.61	.20	2.07	.12	.32	2.07
81	.16	.06	.04	.18	1.11	.35	2.24	.23	.20	1.43	.11	.14	2.24
82	.07	.20	.46	.26	1.83	.64	1.70	.81	1.04	2.10	.19	.17	2.10
83	.45	.11	.29	.45	1.03	.88	.33	.49	.12	.59	.26	.36	1.03
84	.03	.08	.26	1.66	.36	1.79	.35	.42	.31	.08	.55	.26	1.79
85	.17	.03	.65	.17	.54	.54	.15	.90	.17	.35	.67	*.34	.90
86	.19	1.72	.35	.97	.67	1.65	2.01	.48	.73	1.33	.58	.09	2.01
87	TRACE	.72	.20	.01	1.01	.39	*.39	.36					
MEAN	.200	.259	.431	.718	.942	1.080	.895	.587	.515	.558	.292	.156	1.723
S.D.	.201	.236	.425	.494	.559	.685	.741	.308	.476	.512	.241	.103	.587
TOTAL OBS	1171	1157	1300	1284	1333	1266	1293	1302	1230	1271	1229	1267	15203

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 43-45, 48-87

TOTAL MONTHLY PRECIPITATION IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43			*.12	*.04	1.90	*1.13	*1.10	.07	.16	.77	.17	.13	
44	1.74	.41	.87	1.62	4.05	5.01	4.07	.53	.31	.79	2.30	.41	22.12
45	.67	.62	3.12	.35	2.30	4.09							
48				*.07	1.15	2.91	2.05	2.61	.51	1.20	.13	.14	
49	.48	.25	.32	2.42	1.61	2.09	.04	1.04	.07	1.15	.13	*.17	*9.76
50	.63	.30	2.37	2.48	1.98	.64	1.22	2.32	2.29	.68	.33	TRACE	15.44
51	.26	TRACE	.70	.19	1.73	3.32	.62	4.10	2.72	1.30	.18	.80	15.99
52	.71	.78	.73	.21	6.01	2.51	1.63	1.60	.01	.01	.32	.03	13.85
53	.56	2.19	.59	3.33	2.12	5.14	.65	2.74	.65	.07	.52	.19	18.95
54	.17	.28	2.21	.18	2.48	3.41	.60	1.76	.69	1.01	.56	.25	12.69
55	.53	1.62	.82	1.16	2.29	2.35	2.65	1.28	2.26	.30	.50	.65	16.71
56	.59	.28	1.12	1.82	1.74	1.24	1.96	2.77	1.73	.23	.86	.34	14.65
57	.38	.41	.40	1.46	6.60	2.49	.71	1.38	.59	1.05	.32	.04	16.31
58	.28	.59	.89	5.45	1.02	6.24	3.95	.72	.06	.46	.80	.68	21.14
59	.62	.71	.21	1.50	2.54	1.86	1.08	1.02	2.59	.11	2.16	.37	14.77
60	.39	.99	.71	1.31	1.32	3.94	.33	2.45	.74	.01	.54	.89	13.62
61	.14	.29	.85	1.39	1.12	1.14	1.47	.10	.65	.84	.61	.60	9.20
62	1.32	1.13	.80	.56	9.81	3.06	3.02	.49	.31	1.82	.09	.24	22.63
63	1.12	1.31	1.12	3.69	2.37	3.84	1.27	.95	1.43	.62	.32	.19	18.21
64	.39	1.73	1.39	1.20	3.10	4.47	.83	1.56	.82	.49	.38	1.10	16.26
65	.77	.28	.49	1.51	7.56	3.23	2.55	2.45	1.83	.57	.27	.27	21.78
66	.27	.96	2.34	*3.04	.23	1.91	5.73	1.77	2.84	1.77	.94	.45	*22.27
67	.36	.25	.40	5.59	4.84	7.74	2.25	.76	1.96	.20	.23	.39	24.97
68	.25	.46	.11	1.79	1.25	6.82	2.08	2.26	.99	.08	.46	.70	17.25
69	.16	.86	.62	1.47	2.27	3.22	4.87	.09	.67	.67	.28	.38	15.45
70	.92	.51	1.32	4.57	2.53	2.64	.91	.37	1.52	.85	1.23	.55	17.84
71	1.05	.78	.86	3.23	4.11	1.67	.92	1.00	2.36	1.92	.62	.08	18.80
72	.31	.41	.44	2.87	3.61	6.21	4.52	1.52	.24	.84	.25	.41	21.63
73	.37	*.18	2.78	2.79	2.54	.92	1.98	1.21	1.74	1.32	.62	.41	*16.54
74	.10	.72	.43	1.47	2.56	1.09	1.49	2.29	.81	1.27	.08	.14	12.05

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 43-45, 48-87

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	.78	.25	1.13	1.82	1.19	4.21	2.16	.79	.03	.45	.38	.74	13.93
76	.32	.68	.17	2.55	3.15	4.92	1.02	.67	.38	.38	*.74	.43	*15.41
77	.72	.18	2.18	1.71	3.16	1.16	2.41	1.40	3.03	1.41	.94	.36	18.66
78	.06	.97	.33	3.11	3.18	1.29	3.26	1.96	.16	.42	1.65	.22	16.51
79	.59	.43	.40	.47	1.25	3.65	3.43	1.89	.13	.85	.13	.02	13.20
80	.35	.48	1.24	1.09	2.64	2.22	.66	2.79	.54	2.20	.39	.50	14.90
81	.20	.09	.05	.30	4.67	1.23	4.95	.72	.34	2.56	.22	.28	15.60
82	.26	.42	1.66	.75	8.52	2.58	3.25	2.69	2.82	3.54	.30	.44	27.23
83	.69	.12	.94	1.61	2.35	1.94	.84	1.30	.39	1.35	1.01	.70	13.24
84	.11	.16	.66	3.21	1.61	5.11	1.20	1.30	.97	.23	.66	.59	15.81
85	.58	.09	1.07	.21	.96	1.68	.48	1.66	.59	.92	2.87	*.95	*12.05
86	.41	1.71	.97	4.23	1.79	4.42	3.45	1.75	3.57	2.11	1.41	.11	26.43
87	TRACE	1.81	.91	.02	3.29	1.26	*.17	1.42					
MEAN	.471	.638	.979	1.915	2.941	3.129	2.082	1.513	1.118	.947	.654	.395	17.289
S.D.	.371	.525	.735	1.433	2.063	1.736	1.456	.882	1.015	.763	.636	.269	4.172
TOTAL OBS	1271	1157	1330	1284	1333	1266	1293	1302	1230	1271	1229	1267	15203

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: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 48-87

			AMOUNTS IN INCHES													
MONTH	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	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
JAN	51.9	28.9	9.6	6.4	2.2	.7	.2	.1	.1					19.3	1209	4.9	18.7	TRACE
FEB	49.1	29.2	9.2	6.7	3.3	1.6	.5	.4	.3					21.9	1100	7.1	19.7	.7
MAR	53.1	24.6	9.4	7.4	2.4	1.2	.4	.7	.6	.2				22.3	1209	8.9	29.7	TRACE
APR	72.8	14.8	4.1	3.3	1.8	1.1	.7	.9	.3	.1	.1			12.3	1199	6.9	42.8	.0
MAY	95.6	2.7	.3	.7	.3	.2	.1	.1						1.7	1240	.7	7.1	.0
JUN	99.6	.2	.1	.1				.1						.2	1200	.2	6.1	.0
JUL	100.0														1240	.0	.0	.0
AUG	100.0														1240	.0	.0	.0
SEP	96.5	2.6	.6	.3	.1									.9	1170	.2	2.7	.0
OCT	89.1	7.0	1.2	1.8	.4	.3		.2						3.9	1208	1.4	8.2	.0
NOV	68.7	17.7	5.0	4.5	1.8	.9	.7	.5	.2	.1				13.6	1169	5.5	30.5	.0
DEC	57.5	24.3	7.7	6.3	2.9	1.0	.6	.1						18.1	1208	5.1	11.0	TRACE
ANN	77.8	12.6	3.9	3.1	1.2	.6	.3	.3	.1	.0	.0			9.5	14392	40.9		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 48-87

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48				.0	TRACE	.0	.0	.0	.0	TRACE	1.4	1.5	
49	3.0	2.5	1.0	TRACE	TRACE	.0	.0	.0	TRACE	1.0	.0	2.0	3.0
50	.9	1.7	6.7	4.6	3.5	.0	.0	.0	TRACE	3.0	3.9	TRACE	6.7
51	.6	.6	2.0	1.0	.0	5.9	.0	.0	TRACE	TRACE	.7	2.3	5.9
52	TRACE	3.0	3.6	.3	.0	.0	.0	.0	.0	TRACE	.4	.3	3.6
53	1.5	6.4	4.9	2.3	.9	.0	.0	.0	.0	.0	1.5	.7	6.4
54	.7	.7	10.9	TRACE	1.0	TRACE	.0	.0	.0	4.7	4.5	.5	10.9
55	2.0	9.7	3.0	6.1	.0	.0	.0	.0	.3	.5	2.8	2.2	9.7
56	2.7	1.1	7.1	5.6	.6	.0	.0	.0	.0	.3	4.0	1.0	7.1
57	1.6	1.9	1.9	3.3	.0	.0	.0	.0	.3	TRACE	.4	.1	3.3
58	2.8	1.4	1.0	5.4	.0	.0	.0	.0	TRACE	.1	3.0	2.3	5.4
59	2.0	2.2	.6	6.0	TRACE	.0	.0	.0	TRACE	.5	7.1	1.2	8.0
60	1.4	2.9	1.0	5.4	.0	.0	.0	.0	TRACE	.1	1.6	5.8	5.8
61	1.1	1.2	3.6	2.2	TRACE	.0	.0	.0	.6	2.3	2.1	2.1	3.6
62	3.9	3.1	1.8	.5	TRACE	.0	.0	.0	TRACE	.0	.2	1.4	3.9
63	2.2	4.8	9.7	2.8	.0	.0	.0	.0	.0	TRACE	.4	.6	8.7
64	2.4	3.7	5.2	1.7	.0	.0	.0	.0	.0	.0	1.3	2.7	5.2
65	2.4	.9	1.6	5.4	4.5	.0	.0	.0	1.2	.0	.3	.1	5.4
66	.6	7.2	14.2	*8.6	.5	.0	.0	.0	.0	*.7	5.3	1.9	14.2
67	2.5	1.7	2.9	7.3	2.2	.0	.0	.0	TRACE	.0	2.0	1.9	7.3
68	3.4	2.2	.5	3.6	TRACE	.0	.0	.0	.0	.0	1.0	3.0	3.6
69	.4	2.9	1.8	1.8	TRACE	.8	.0	.0	.0	2.6	1.0	4.0	4.0
70	1.5	4.3	5.3	18.0	TRACE	.0	.0	.0	TRACE	2.3	3.0	2.8	18.0
71	6.9	4.0	5.7	5.4	.0	.0	.0	.0	TRACE	5.0	3.2	2.0	6.9
72	2.0	2.6	.3	1.3	.5	.0	.0	.0	TRACE	1.3	1.2	2.8	2.8
73	.8	*.8	14.0	2.5	.0	.0	.0	.0	.0	1.2	4.7	3.9	14.0
74	1.2	2.9	.5	4.2	.0	.0	.0	.0	TRACE	TRACE	.6	.6	4.2
75	4.1	2.1	3.2	1.9	.0	.0	.0	.0	.0	2.3	6.0	4.0	6.0
76	3.8	2.7	2.0	1.5	.0	.0	.0	.0	.0	.3	*3.0	3.0	3.8
77	2.0	2.0	12.0	.2	.0	.0	.0	.0	.0	TRACE	12.0	2.0	12.0

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 48-87

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	.5	4.3	2.2	4.0	.8	.0	.0	.0	.0	TRACE	3.7	1.2	4.3
79	3.1	1.7	1.1	1.9	2.5	.0	.0	.0	.0	TRACE	.9	TRACE	3.1
80	1.8	2.2	4.3	4.0	.0	.0	.0	.0	.0	3.0	2.1	4.4	4.4
81	.4	1.2	TRACE	TRACE	TRACE	.0	.0	.0	.0	1.3	2.0	2.7	2.7
82	2.4	2.6	6.8	2.8	TRACE	.0	.0	.0	.0	1.0	1.8	3.7	6.6
83	3.0	1.0	1.5	4.3	2.1	.0	.0	.0	.3	.7	2.6	3.6	4.3
84	.3	.8	2.6	10.9	TRACE	.0	.0	.0	2.1	.7	3.8	2.9	10.9
85	2.0	.3	5.5	TRACE	.0	.0	.0	.0	.3	1.1	7.2	*3.6	7.2
86	1.9	3.2	6.3	5.8	TRACE	.0	.0	.0	.0	TRACE	6.1	.9	6.3
87	TRACE	8.2	2.0	TRACE	.0	.0	.0	.0					
MEAN	1.92	2.94	4.06	3.47	.48	.17	.00	.00	.13	.93	2.80	2.06	6.18
S.D.	1.358	2.102	3.603	3.520	1.040	.938	.000	.000	.394	1.319	2.496	1.400	3.217
TOTAL OBS	1209	1100	1209	1199	1240	1200	1240	1240	1170	1208	1169	1208	14392

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 48-87

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S- JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48				.0	TRACE	.0	.0	.0	.0	TRACE	1.5	1.5	
49	10.1	2.5	2.4	TRACE	TRACE	.0	.0	.0	TRACE	1.0	.0	7.3	25.3
50	2.4	1.5	28.7	12.3	5.1	.0	.0	.0	TRACE	6.0	6.9	TRACE	63.3
51	.6	.7	5.6	1.4	.0	5.1	.0	.0	TRACE	TRACE	1.7	7.7	24.8
52	TRACE	7.5	5.8	.7	.0	.0	.0	.0	.0	TRACE	.4	.3	14.3
53	5.5	19.5	5.9	9.0	.9	.0	.0	.0	.0	.0	3.3	1.3	45.4
54	1.8	1.5	22.1	TRACE	1.9	TRACE	.0	.0	.0	5.5	5.6	1.0	40.4
55	5.3	18.0	9.2	6.6	.0	.0	.0	.0	.3	.7	4.5	8.5	52.1
56	4.5	2.8	11.0	13.9	.6	.0	.0	.0	.0	.3	8.6	3.2	45.0
57	2.8	4.1	4.0	11.9	.0	.0	.0	.0	.2	TRACE	1.2	.1	25.4
58	3.0	4.7	4.6	16.1	.0	.0	.0	.0	TRACE	.1	4.4	6.6	39.5
59	4.7	6.9	2.1	13.3	TRACE	.0	.0	.0	TRACE	.5	16.0	3.4	46.9
60	3.9	9.9	4.4	6.6	.0	.0	.0	.0	TRACE	.1	4.6	10.6	40.1
61	1.4	2.1	7.0	4.0	TRACE	.0	.0	.0	.6	2.7	3.7	6.1	27.6
62	10.3	7.0	6.1	.6	TRACE	.0	.0	.0	TRACE	.0	.2	2.3	29.1
63	11.2	10.9	10.5	4.7	.0	.0	.0	.0	.0	TRACE	.4	2.1	39.8
64	4.3	10.2	10.4	3.5	.0	.0	.0	.0	.0	.0	3.6	11.0	42.8
65	5.5	2.7	4.9	7.8	7.1	.0	.0	.0	1.6	.0	.6	.1	30.3
66	2.7	10.3	24.1	*10.1	.5	.0	.0	.0	.0	*.7	8.2	6.5	*65.6
67	6.5	7.0	7.4	7.3	4.3	.0	.0	.0	TRACE	.0	4.0	10.7	47.2
68	9.5	7.2	1.3	9.0	TRACE	.2	.0	.0	.0	.0	1.1	9.9	37.0
69	1.9	10.2	5.6	3.0	TRACE	.8	.0	.0	.0	2.5	2.7	6.4	33.1
70	9.9	6.0	15.6	42.9	TRACE	.0	.0	.0	TRACE	5.8	4.3	9.1	89.5
71	19.7	12.7	17.5	7.0	.2	.0	.0	.0	TRACE	8.2	8.8	3.1	72.0
72	5.6	10.4	.7	1.6	.5	.0	.0	.0	TRACE	2.4	3.2	7.5	31.9
73	1.8	*2.0	19.2	3.9	.0	.0	.0	.0	.0	2.3	11.2	6.3	*46.6
74	2.4	4.6	1.2	6.1	.0	.0	.0	.0	TRACE	TRACE	.6	2.2	17.1
75	13.3	7.2	16.4	2.7	.0	.0	.0	.0	.0	5.0	7.6	10.3	62.5
76	4.3	6.1	4.2	1.0	.0	.0	.0	.0	.0	.3	*8.5	6.6	*31.0
77	7.5	3.2	21.4	.3	.0	.0	.0	.0	.0	TRACE	12.6	7.6	52.6

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 48-87

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	.9	16.1	3.9	4.1	.8	.0	.0	.0	.0	TRACE	12.5	2.3	40.5
79	7.3	5.5	3.0	2.9	2.6	.0	.0	.0	.0	TRACE	1.3	TRACE	22.6
80	4.9	7.6	12.0	7.5	.0	.0	.0	.0	.0	3.6	5.2	6.0	46.8
81	.4	1.9	TRACE	TRACE	TRACE	.0	.0	.0	.0	2.2	2.4	4.8	11.6
82	4.3	6.5	16.6	8.1	TRACE	.0	.0	.0	.0	2.0	3.6	7.2	48.3
83	4.3	1.0	6.1	9.2	3.7	.7	.0	.0	.3	.7	8.1	7.1	40.5
84	1.0	1.4	5.5	26.1	TRACE	.0	.0	.0	2.7	.7	4.0	6.2	47.6
85	4.8	.8	8.9	TRACE	.0	.0	.0	.0	.4	1.4	30.5	*10.7	*57.5
86	7.1	10.9	10.5	12.8	TRACE	.0	.0	.0	.0	TRACE	11.4	1.2	50.9
87	TRACE	19.7	6.4	TRACE	.0	.0	.0	.0					
MEAN	4.93	7.11	8.93	6.87	.70	.17	.00	.00	.16	1.45	5.54	5.11	40.70
S.D.	4.053	5.162	6.979	8.191	1.615	.969	.000	.000	.504	2.180	5.776	3.475	16.246
TOTAL OBS	1209	1100	1209	1199	1240	1200	1240	1240	1170	1208	1169	1208	14392

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 43-45, 48-87

	AMOUNTS IN INCHES																	
MONTH	NONE	TRACE	1	2	3	4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 48	49 TO 60	61 TO 120	OVER 120	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
JAN	76.7	25.5	16.3	9.3	4.3	5.0	3.0	.2						37.8	1271			
FEB	41.3	17.4	11.8	9.2	6.0	9.5	4.2	.7						41.3	1157			
MAR	52.1	17.8	10.3	7.2	4.4	4.8	2.9	.5						70.1	1296			
APR	82.6	7.8	2.9	1.9	1.4	1.9	1.1	.5						9.7	1290			
MAY	98.1	.8	.4	.2		.4	.1							1.1	1333			
JUN	99.8	.1	.1			.1								.2	1268			
JUL	100.0														1294			
AUG	100.0														1302			
SEP	99.3	.5	.1	.1										.2	1230			
OCT	95.2	2.4	1.2	.4	.4	.5								2.4	1271			
NOV	68.5	13.2	5.5	4.1	2.0	3.7	2.6	.3						18.3	1229			
DEC	44.3	22.3	11.6	8.6	6.4	6.1	.6	.3						33.5	1270			
ANN	76.5	9.0	5.0	3.4	2.1	2.7	1.2	.2						14.5	15211			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 43-45, 48-87

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S- JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43			*3		TRACE	*0	*0	0		TRACE	TRACE	1	
44	13	7	5	TRACE							10	5	13
45	5	5	4	1									
48											1		
49	11	12	10		TRACE				TRACE			3	12
50	4	2	13	7	4					5	4	1	13
51	1	TRACE	6	2		6				TRACE	2	2	6
52	TRACE	4	5	TRACE							TRACE	1	5
53	1	15	11	2	TRACE						2	1	15
54	2	1	13	1	1					6	2	6	13
55	2	10	4	2						1	4	3	10
56	3	2	8	3	TRACE					TRACE	5	2	8
57	2	4	3	6						TRACE	TRACE	TRACE	6
58	3	3	2	5							2	3	5
59	2	4	1	11						TRACE	10	1	11
60	2	4	3	4						TRACE	2	3	4
61	2	2	2	3					TRACE	3	2	2	3
62	3	5	4	TRACE							TRACE	1	5
63	6	5	9	2							TRACE	1	9
64	2	5	5	2						2	2	8	8
65	4	1	2	4	6				2				6
66	3	7	8	10						1	4	6	10
67	2	3	3		10						2	4	10
68	5	2		3					5	2	1	4	5
69	1	4	2	3		1				3	2	4	4
70	7	4	7	23						3	3	5	23
71	9	13	6	4						6	3	3	13
72	2	4	2	TRACE						2	2	5	5
73	1	*2	15	2						TRACE	7	4	15
74	1	2	1	2							1	1	2

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

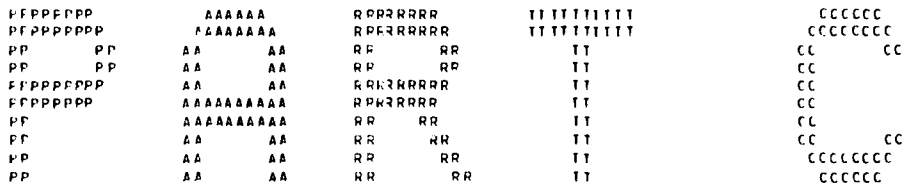
EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 47-85, 86-87

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	5	5	6	2	0	0	0	0	0	3	9	5	9
76	6	5	2	1	0	0	0	0	0	TRACE	*6	6	8
77	8	4	15	15	0	0	0	0	0	1	12	3	15
78	3	12	2	TRACE	1	0	0	0	0	0	9	3	12
79	6	4	1	2	1	0	0	0	0	0	1	TRACE	6
80	2	6	5	2	0	0	0	0	0	1	2	6	6
81	1	3	TRACE	0	0	0	0	0	0	1	2	4	4
82	2	6	8	5	0	0	0	0	0	1	1	4	8
83	1	TRACE	3	5	4	1	0	0	TRACE	1	6	6	6
84	2	1	3	8	TRACE	0	0	0	1	TRACE	2	4	8
85	2	1	11	TRACE	0	0	0	0	TRACE	TRACE	17	*14	17
86	3	5	7	10	0	0	0	0	0	0	5	1	10
87	TRACE	13	8	TRACE	0	0	0	0					
MEAN	3.5	4.9	5.5	3.8	.6	.2	.0	.0	.1	1.0	3.5	3.1	8.6
S.D.	2.950	3.706	4.087	4.600	1.915	.935	.000	.000	.346	1.651	3.816	1.985	4.285
TOTAL OBS	1271	1157	1296	1290	1333	1268	1294	1302	1230	1271	1229	1270	15211

NOTE * (BASED ON LESS THAN FULL MONTHS)



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 IN GIVEN FOR EACH DIRECTION.

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

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

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

SECTIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 49-87

DAILY PEAK GUSTS IN KNOTS
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49						*5@ 44	NW 65	W 48	N 40	@NW*54	NW 54	NW 62	
50	NW& 62	NW@ 57	N *78	NW@ 58	NW@ 58			NW*48	NW 38	@NW 55	NW@*49		
51										N *51	NW 65	NW *56	
52	NW&*30	NE *38	NW *59	W *77	@NW*48	NW *69	NW *52	W@*59	SW@*45	NW 45	NW 54	SW 56	W *72
53	@NW 54	NW@ 44	@NW 67	@NW 57	NW 47	W@ 72	S 47	SW 44	NW@ 57	NW 46	@NW 54	W 54	@NW 70
54	@NW 52	NW@ 62	@NW 59	NW 50	NW 49	NW@ 45	S 59	W 49	NW@ 52	NW 43	@NW 60	NW 57	NW@ 60
55	NW 60	NW 56	@NW 59	NW 49	@NW 59	NW 49	W@*43	W@ 59	SSE 49	@NW 46	@NW 50	SW 57	NW 60
56	@NW*50	NW@ 41	@NW 60	W 45	NW@ 37	S 45	@NW 47	SSW 63	NW 42	NW@ 45	NW 53	NW@ 50	SSW 63
57	NW 51	N 47	NW 44	NW@ 37	N 46	NW@ 51	NW 40	NW& 41	N 35	NW@ 38	N 39	NW 49	NW 51
58	NW 34	NW@ 44	N 32	NW@ 38	NW 50	NW@ 35	W 40	NW@ 35	NW@ 40	@NW 48	NW@ 61	NW 45	NW@ 61
59	NW@ 46	NW 43	NW 45	NW@ 45	NW 43	NW@ 42	NE 73	NW 42	NW 49	NW 52	NW 59	NW@ 57	NE 70
60	NW@ 46	@NW 37	NW 51	SW 50	NW 41	NW 50	SS@ 36	SSW 53	NW 36	NW 49	NW 49	NW 46	SSW 53
61	NW 43	NW@ 46	NW@ 38	@NW 45	NW 37	NW@ 39	NW 47	NW@ 33	@NW 37	NW *38	NW *48	NW 53	NW 53
62	NW 47	NW 47	W@ 44	NW 54	@NW 39	@NW 55	NW@ 31	NW 54	NW 46	NW 49	NW 45	NW@ 56	@NW 55
63	NW 52	NW 61	NW& 48	W@ 59	NW 52	SW 62	NW@ 61	S 37	NW 34	NW@ 35	NW 44	NW 52	SW 62
64	W 44	NW@ 46	NW 53	NW 69	@NW 43	NW& 52	SE 53	NW 66	NW 76	NW@ 62	NW@ 56	NW@ 52	NW 76
65	NW 69	NW@ 53	NW 45	NW 44	NW 51	SE 47	NW 58	@NW 39	NW@ 40	@NW 53	NW *45	NW 42	NW 69
66	@NW 58	NW@ 34	NW 66	@NW 52	SW 51	W 49	@NW 53	NW@ 48	NW@ 36	NW 54	NW 45	NW@ 51	NW 66
67	W 65	NW 54	NW@ 41	NW 72	NW& 62	N 42	N 39	NW@ 36	NW 47	NW 56	NW 46	NW 54	NW 72
68	NW 42	NW 41	NW 45	NW 46	SSE 48	NW 53	32/ 41	27/ 42	34/ 48	32/ 50	32/ 44	34/ 59	34/ 59
69	29/ 59	29/ 37	29/ 53	32/ 53	34/ 54	32/ 40	29/ 67	33/ 45	33/ 44	33/ 50	31/ 50	31/ 54	29/ 66
70	32/ 51	31/ 51	29/ 50	33/ 46	31/ 50	29/ 45	37/ 44	32/ 43	34/ 63	32/ 53	31/ 57	34/ 52	34/ 63
71	30/ 43	32/ 52	32/ 56	33/ 58	29/ 58	31/ 42	37/ 48	32/ 45	31/ 69	34/ 53	34/ 54	27/ 44	31/ 69
72	33/ 44	32/ 59	32* 48	37/ 47	32/ 56	10/ 38	34/ 37	33/ 37	33/ 42	35/ 40	33/ 46	34/ 44	32/ 59
73	33/ 43	35/ 38	35/ 56	13/ 40	33/ 42	16/ 46	34/ 42	28/ 52	31/ 37	33/ 49	27/ 53	31/ 55	35/ 56
74	26/ 42	33/ 56	25/ 54	32/ 41	28/ 54	35/ 37	25/ 43	32/ 43	32/ 44	32/ 40	32/ 50	34/ 44	33/ 56
75	33/ 48	31/ 58	32/ 57	32/ 52	19/ 54	31/ 57	25/ 66	33/ 47	34/ 50	33/ 46	32/ 62	32/ 44	25/ 66
76	32/ 54	34/ 55	33/ 57	19/ 42	32/ 65	33/ 58	31/ 36	32/ 46	33/ 37	34/ 44	33/ 51	32/ 57	32/ 65
77	34/ 62	32/ 62	34/ 57	34/ 44	31/ 44	34/ 43	37/ 60	1/ 41	33/ 64	32/ 47	32/ 66	33/ 58	33/ 66
78	34/ 46	32/ 50	33/ 40	32/ 57	32/ 51	34/ 58	7/ 41	12/ 47	25/ 44	33/ 49	33/ 50	32/ 49	34/ 58

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

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 49-87

DAILY PEAK GUSTS IN KNOTS
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	32/ 54	32/ 47	32/ 50	31/ 47	25/ 40	30/ 44	32/ 69	32/ 57	32/ 53	32/ 52	32/ 50	33/ 52	32/ 69
80	33/ 57	33/ 46	33/ 45	31/ 45	22/ 36	34/ 48	34/ 46	33/ 57	33/ 55	33/ 47	31/ 48	32/ 43	33/ 57
81	31/ 47	32/ 46	33/ 40	34/ 44	31/ 43	32/ 44	33/ 51	32/ 44	33/ 44	32/ 42	32/ 52	32/ 52	32/ 52
82	32/ 53	33/ 42	31/ 58	32/ 67	33/ 44	23/ 36	25/ 68	23/ 38	31/ 40	29/ 48	32/ 48	32/ 43	25/ 68
83	29/ 54	32/ 48	32/ 44	32/ 35	21/ 42	34/ 34	21/ 52	23/ 38	32/ 41	32/ 38	32/ 33	36/ 38	29/ 54
84	33/ 54	31/ 59	33/ 52	33/ 48	33/ 42	32/ 42	30/ 52	2/ 47	33/ 33	36/ 45	33/ 46	32/ 41	31/ 59
85	32/ 51	33/ 42	33/ 36	33/ 41	33/ 46	32/ 42	36/ 40	32/ 45	33/ 38	31/ 57	33/ 45	35/ 54	31/ 57
86	31/ 48	34/ 45	35/ 46	33/ 52	28/ 44	27/ 52	29/ 56	33/ 41	23/ 38	33/ 41	34/ 44	34/ 42	29/ 56
87	34/ 56	34/ 40	33/ 62	34/ 54	32/ 47	34/ 48	34/ 39	23/ 47					
MEAN	51.3	48.5	50.4	49.9	47.9	46.8	49.5	45.8	45.4	47.7	51.0	50.5	61.6
S.D.	7.450	7.777	8.510	8.303	7.281	7.948	10.728	7.808	10.199	5.919	7.259	6.163	6.620
TOTAL OBS	1109	1013	1120	1090	1125	1050	1118	1145	1086	1145	1134	1129	13274

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: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	1.4	1.9	2.5	1.0	.6	.1					8.2	11.3
NNE		.6	.3	.4								1.4	8.5
NE	.3	.2										.5	3.0
ENE		.2	.3									.5	6.2
E	.3	.6	.3									1.3	5.2
ESE	.2	.2	1.0									1.4	7.5
SE	.6	1.1	1.1	1.1								3.9	7.5
SSE	.6	1.6	1.5	1.6	.2							5.6	8.4
S	.9	2.3	1.1	.5	.1	.3						5.2	7.4
SSW	.3	.6										1.4	3.6
SW	1.4	1.0	.1									2.5	3.3
WSW	1.1	1.6	.5									3.2	4.0
W	5.7	4.1	1.2	.2	.1							11.3	4.1
WNW	3.7	2.7	.8	.2	.2	.1						7.6	4.7
NW	1.4	2.0	1.2	2.8	1.3	1.0	.8					10.4	12.9
NNW	1.1	1.2	2.5	5.7	3.4	2.3	.5	.2				18.2	14.7
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	1.5	3.3	3.5	1.4	.4	.1					11.3	11.0
NNE	.2	.4	.6	.7								1.7	7.6
NE	.1	.4	.3									.9	5.9
ENE	.3	.1	.1									.5	4.2
E	.2	.3	.2									.8	5.0
ESE		.6	.6	.1	.1							1.6	7.8
SE	.5	1.4	.9	.8								3.5	7.2
SSE	.2	.9	1.6	1.3	.1							4.1	9.1
S	1.7	1.1	.8	1.0	.4							4.9	7.4
SSW	1.1	.9	.1									2.0	3.5
SW	.6	.6	.2									1.6	7.9
WSW	2.1	.9	.1									3.4	2.8
W	4.9	4.3	1.1	.1								10.4	3.9
WNW	3.5	2.2	.9	.4	.5	.1	.2					8.1	6.5
NW	2.2	2.4	1.2	1.6	2.0	1.6	.9	.4				12.2	15.8
NNW	.6	1.5	4.5	4.5	2.5	2.1	.4	.2				16.3	13.7
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	1.9	2.7	2.6	1.2	.7	.2					10.2	10.7
NNE	.2	.2	.8	.7								1.9	8.2
NE	.4	.8	.2									1.4	5.1
ENE	.2	.5	.2									1.1	4.8
E	.2	.2		.1								.5	5.2
ESE	.3	1.2	.9	.1								2.3	6.6
SE	.4	.8	1.5	.6								3.3	7.5
SSE	.4	.9	1.2	1.1								3.5	8.0
S	.9	1.1	1.2	1.2								4.1	7.4
SSW	.5	.2	.1									1.1	3.4
SW	.6	1.1	.3									2.0	4.3
WSW	2.3	1.6	.2									4.1	3.6
W	5.1	3.1	.4	.2	.1							8.9	7.9
WNW	4.7	1.3	.2	.4	.1	.2	.1					7.6	4.8
NW	2.3	1.4	1.2	2.4	1.2	1.3	1.2	.4				14.3	13.2
NNW	.2	1.2	4.1	4.5	2.8	.6	1.1	.1				16.9	12.8
VARIABLE													
CALM	////////////

...L CLIMATOLOGY BRANCH
...SFETAC
...R WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 73-87
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	1.3	1.7	1.9	4.6	1.3	.3						11.4	11.9
	.5	.7	.5									1.4	6.4
	.3	.2	.2									.8	6.7
	.2	.6	.1									1.1	6.7
	.5	.6	.2	.2								1.4	6.4
	.4	.4	1.2		.1							2.1	7.3
	.9	.9	1.4	1.2	.1							4.5	8.4
	1.2	2.7	1.9	.9	.3	.1						7.1	7.9
	2.3	2.4	2.4	1.2	.3							8.6	7.1
	1.4	1.2	.3									2.9	5.8
	.4	1.7	.1									2.3	5.2
	2.4	.6	.2	.1		.1						3.4	4.7
	2.3	.9	.2	.2								3.6	5.7
	2.4	.6	.3	.2								3.6	4.8
	.3	1.3	1.4	2.6	1.9	1.3	1.3	.4				11.4	14.9
	.3	1.3	2.3	4.1	2.6	2.3	1.1	.4				17.3	14.7
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	2.9	2.7	6.6	1.5	1.5	.3					17.2	12.1
NNE	1.1	1.1	1.0	.7								3.9	9.7
NE	.9	1.1	.1									2.0	3.9
ENE	.5	.6										1.2	3.4
E	.5	1.0	.2	.1								1.8	4.9
ESE	.9	.9	.6									2.4	5.1
SE	.9	1.7	1.5	1.4	.4	.1						6.2	8.5
SSE	2.9	2.8	2.3	2.7	.7	.9						11.2	8.2
S	2.3	2.2	2.9	1.3	.4							8.9	7.1
SSW	.6	.3		.1								1.0	4.2
SW	.6	.4	.2	.1								1.4	4.7
WSW	.5	.1	.2	.2		.1						1.4	6.5
W	.3	.5	.1	.3	.1							1.3	6.4
WNW	.1			.2	.1	.5						1.0	19.2
NW	.1	.5	1.6	1.7	1.8	1.8	1.4	.2	.1			10.1	17.5
NNW	.7	1.0	1.7	7.1	4.9	3.3	1.9	.5				20.6	17.9
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	2.9	5.4	6.1	2.3	.9	.2	.2				18.9	11.5
NNE	.5	1.0	1.6	.4	.1							3.5	7.7
NE	.7	.9	.3	.2	.1							1.8	6.8
ENE	.8	1.7	.2	.1								2.4	4.8
E	.5	1.2	.1									1.8	4.4
ESE	.9	1.6	.3	.1								2.9	4.7
SE	1.7	2.2	1.6	.5	.1							7.1	8.0
SSE	1.2	2.0	2.0	1.3	.5	.6						7.7	9.6
S	2.0	2.6	1.4	1.2	.2							7.5	6.4
SSW	.6	.6	.1		.1							1.5	5.1
SW	.2	.4			.1							.8	6.4
WSW		.2		.4	.2							.9	12.5
W	.9	.6	.2									1.7	7.8
WNW	.6	.4	.2	.2	.1	.1	.1					2.2	8.5
NW	.5	.5	.9	1.7	1.7	1.2	.8					9.1	16.9
NNW	.5	1.1	3.9	6.6	3.7	2.3	1.4	.2				19.4	15.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	11.4	//////
TOTALS	12.7	19.9	18.0	25.9	9.6	4.2	2.5	.4				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	1.9	3.7	4.5	1.7	.4						12.7	11.6
NNE	.5	.6	1.0	.2								2.4	6.3
NE	.1	.5	.1									.8	4.0
ENE	.1	.2	.1	.1								.5	6.4
E		.5	.4									1.3	5.9
ESE	.4	.6	.7									1.4	4.8
SE	.6	.8	1.2	2.0								4.6	8.9
SSE	1.2	1.5	2.2	1.4	.2	.3						6.8	6.4
S	2.5	2.5	1.6	.4		.7						7.5	5.8
SSW	.3	.5	.1									1.0	3.9
SW	1.0	1.5		.1	.1							2.7	4.6
WSW	1.1	1.0	.2	.2	.1	.1						2.7	6.0
W	2.7	2.1	.3	.1	.1							5.3	4.0
WNW	2.5	2.7	.1	.5	.1							5.7	5.0
NW	1.7	2.4	1.8	1.5	1.9	1.9	.7					11.2	12.4
NNW	.2	1.5	3.5	5.7	3.0	2.4	.5					17.8	14.4
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.0	2.8	3.7	1.7	.4	.4					11.1	12.3
NNE	.1	.5	.8									1.6	8.5
NE	.2	.2	.3									.8	8.4
ENE	.7	.5	.2									1.1	5.0
E		.4	.1									.5	5.2
ESE	.7	.7	.4									1.1	5.4
SE	.2	.5	1.6	1.4								4.6	7.8
SSE	.8	1.7	1.8	2.0	.1	.4						6.7	9.1
S	2.3	2.9	1.7	.6	.5							8.1	6.5
SSW	1.0	.4	.3									1.7	3.9
SW	1.4	1.0	.2									2.6	3.6
WSW	1.1	1.7		.2								2.5	4.6
W	4.5	3.7	.6	.2	.1							9.0	4.0
WNW	3.9	2.3	1.1	.9	.1							8.2	5.2
NW	1.7	2.5	1.4	1.4	2.7	.5	.1					11.1	11.3
NNW	.9	1.4	2.2	3.2	3.9	3.3	.6	.1				19.3	15.9
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	14.8	//////
TOTALS	19.7	28.2	19.1	17.7	9.1	4.4	1.7	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 9[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.0	3.1	4.2	1.5	.7	.2	.0				12.6	11.6
NNE	.4	.6	.8	.7	.0							2.1	6.9
NE	.3	.5	.2	.6	.0							1.1	5.2
ENE	.3	.5	.2	.6								1.0	4.8
E	.3	.7	.2	.1								1.2	5.1
ESE	.4	.8	.6	.0	.0							1.9	5.9
SE	.7	1.2	1.3	1.4	.1	.0						4.7	8.1
SSE	1.1	1.7	1.7	1.5	.2	.0						6.5	8.5
S	1.9	2.2	1.6	.9	.3	.1						6.8	6.8
SSW	.3	.4	.1	.0	.0							1.7	3.9
SW	.8	.9	.1	.0	.0							2.0	4.1
WSW	1.4	.9	.2	.1	.0	.0						2.7	4.5
W	3.4	2.0	.5	.2	.1							6.5	4.0
WNW	2.7	1.5	.4	.4	.2	.1	.1					5.5	5.6
NW	1.4	1.7	1.4	2.1	1.9	1.1	.6	.2	.0			11.1	10.2
NNW	.6	1.4	2.2	5.2	3.2	2.5	1.2	.2				17.6	15.2
VARIABLE													
CALM	//////////////

...LOBAL CLIMATOLOGY BRANCH
USAFETAC
...IR WEATHER SERVICE/MAC

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

STATION NUMBER: 726620 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: FEB HOURS(LST): 0000-0200

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	3.7	3.1	3.2	.4	.6						11.2	9.6
NNE	.4	.6	.6	.4								1.9	6.6
NE	.5	.9	.4	.2								1.9	6.9
ENE	.3	.7	.2									1.1	5.1
E	.5	.5	.1									1.1	5.1
ESE	.4	.8	.6	.4								1.7	7.4
SE	.3	1.3	.7	1.2	.1							3.5	9.4
SSE	.5	1.9	2.0	2.3	.7	.1						7.4	9.3
S	1.3	1.9	.9	.6	.2		.2	.1				5.2	6.2
SSW	.5	.4	.1									1.1	7.3
SW	.6	.8										1.4	7.9
WSW	1.2	1.4	.9									3.5	8.6
W	5.1	3.2	1.2									10.2	7.6
WNW	3.2	1.2	.4		.2	.1						4.9	9.6
NW	2.1	1.1	.5	.2	1.2	.4	.2					5.9	11.0
NNW	1.3	1.5	3.7	3.7	1.2	1.7	.5					14.1	12.7
VARIABLE													
CALM	////////////

...GLOBAL CLIMATOLOGY BRANCH
USAFETAC
21W WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (TOWARD)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	3.6	3.2	2.5	1.9	.2						13.1	10.7
NNE	.2	.7	.7	.2		.1						2.0	7.8
NE	.4	.1	.5									.9	4.6
ENE	.1	.5	.0									.6	5.4
E	.2	.1	.2	.1								.7	6.8
ESE	.7	.7	.6	.5								2.5	6.0
SE	.5	1.0	1.2	1.3								4.1	8.5
SSE	.7	1.5	1.9	1.5	.8	.2						6.7	9.9
S	.5	1.4	.7	.7	.1	.5		.1				4.5	9.5
SSW	.4	.2										.6	7.2
SW	.6	.7	.1									1.7	5.5
WSW	1.9	1.4										3.2	7.5
W	4.4	4.7	1.1	.4								12.6	6.2
WNW	2.2	2.5	.7	.1								5.5	5.8
NW	2.7	1.5	.9	2.2	.9		.2	.1				8.5	9.5
NNW	1.1	1.5	3.7	2.7	2.7	2.1	.2					14.7	17.4
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.8	3.2	2.6	1.9	.2						11.3	10.7
NNE	.2	.7	.7	.2		.1						2.0	7.8
NE	.4	.1	.5									.9	4.6
ENE	.1	.2	.2									.4	5.4
E	.2	.1	.2	.1								.7	6.8
ESE	.7	.7	.6	.5								2.5	8.2
SE	.5	1.2	1.2	1.3								4.1	8.5
SSE	.7	1.5	1.9	1.5	.8	.2						6.7	9.9
S	.5	1.4	.7	.4	.1	.5		.1				4.2	9.5
SSW	.4	.2										.6	7.2
SW	.9	.7	.1									1.7	7.5
WSW	1.9	1.6										3.5	7.5
W	4.4	4.7	1.1	.4								10.5	4.2
WNW	2.2	2.5	.7	.1								5.5	7.8
NW	2.2	1.9	.9	2.2	.9		.2	.1				8.5	9.5
NNW	1.1	1.5	3.7	2.7	2.7	2.1	.2					14.7	13.4
VARIABLE													
CALM	//////////											17.4	//////
TOTALS	19.9	27.7	19.9	17.1	7.5	3.	.7	.2				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 441

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: FEB HOURS(LST): 0600-0900

DIRECTION (TRUE-DEG)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56+	TOTAL %	MEAN WIND
N	.9	3.4	2.5	3.2	.8	.3	.1					11.8	10.4
NNE	.5	.6	.5	.1								1.1	6.5
NE	.4	.1	.1									.6	4.1
ENE	.2	.1	.2	.1								.7	6.7
E	.5	.5	.2	.5								1.7	6.9
ESE		.2	.4	.2	.1							1.0	8.9
SE	.2	1.1	.4	.4	.1							2.4	8.0
SSE	1.1	.8	1.8	2.7	.5	.1						7.2	9.7
S	.5	1.2	1.4	.2	.1	.1						4.3	8.4
SSW	.3	.2	.2									1.4	3.8
SW	.1	.3	.2									1.1	3.2
WSW	2.2	1.9	.5	.1								4.2	3.8
W	9.2	1.6	.4	.1								10.8	3.8
WNW	4.5	2.5	.8		.1							7.3	4.4
NW	1.5	.1	2.1	1.2	.5	.5	.2	.1				6.1	10.1
NNW	.2	1.1	1.2	4.3	3.1	1.1	.5					14.4	14.5
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	2.7	3.8	4.5	1.3	1.4						15.1	11.0
NNE	.6	1.4	1.4	.2								3.7	6.5
NE	.5	.2	.7									1.4	5.7
ENE	.3	.1	.4									1.7	4.0
E	1.4	.5	.7	.4								3.0	5.6
ESE	.4	.5	.4	.1	.1							1.7	6.4
SE	.4	.8	1.4	.9	.6							4.1	9.8
SSE	2.0	1.5	1.8	2.1	.8	.2						8.5	9.3
S	2.1	2.5	1.7	1.4	.5	.1						8.3	7.2
SSW	1.3	.8		.1								2.2	3.7
SW	1.5	1.7	.2									3.1	3.6
WSW	1.7	.9	.2									2.9	3.7
W	1.8	1.5	.4	.2								3.9	4.4
WNW	.3	.2	.2		.1							1.4	4.7
NW	.7	1.1	1.2	2.4	1.7	1.	.1					8.5	14.2
NNW	.2	2.1	2.7	4.7	3.4	2.2	1.2	.4				18.7	14.8
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
[illegible]	1.1	2.7	4.8	7.8	2.1	.8	.8					19.7	11.9
[illegible]	.5	1.4	1.5									3.4	7.4
[illegible]	1.1	1.7	1.1	.2								4.2	5.6
[illegible]	.9	1.1	.1	.1								2.2	4.2
[illegible]	1.7	1.7	.6	.4								4.3	5.2
[illegible]	1.4	1.5	.6		.2							3.5	6.7
[illegible]	.4	2.4	1.8	1.9	.4							7.2	8.3
[illegible]	.1	2.4	2.1	5.2	1.2	.2						13.4	11.5
[illegible]	1.7	1.3	.5	1.7	.6							5.4	9.2
[illegible]	.5	.2										.7	7.7
[illegible]	.4											.4	7.3
[illegible]		.1										.1	4.0
[illegible]	.2	.2										.4	7.8
[illegible]	.2	.2	.2	.4	.1							1.2	7.2
[illegible]	.2	.4	.5	1.1	1.5	1.4	.2	.4				6.5	17.7
[illegible]	.1	1.4	2.8	6.7	4.5	4.2	1.2	.5				27.2	17.7
[illegible]													
[illegible]	//////////////

...ZE CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
...SAFETAC FROM HOURLY OBSERVATIONS
...TH WEATHER SERVICE/MAC

STATION NUMBER: 726625 STATION NAME: FTS WORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	2.7	5.7	8.4	3.3	.9	.2					22.3	11.8
...E	1.5	2.6	2.7	.9	.1							7.9	8.8
E	.9	2.2	.9	.5								4.5	7.1
...SE	.6	1.1	.7	.1								2.5	5.9
S	.5	1.4	1.8	.3								3.8	8.7
...SW	.1	1.4	1.5	.4								3.4	7.4
W	.7	2.5	2.4	1.5	.6							7.3	8.7
...NW	1.1	2.4	2.1	2.5	1.2	.2						9.7	9.6
...	1.5	1.5	.8	.8	1.1	.1						5.1	8.3
...NE	.6	.4	.1									1.1	7.6
5E		.1										.1	9.0
...SE	.4	.4										.7	7.5
S	.2		.4	.2					.1			1.4	8.3
...SW		.1	.2	.1	.1							.6	10.0
W...	.2	.2	.2	.1	1.2	.2	.0					4.9	9.7
...NW	.2	.2	1.4	4.2	2.1	2.5	.2	.1				13.4	17.0
VARIABLE													
CALM	//////////											9.2	//////
TOTALS	11.1	20.2	21.5	25.2	9.8	5.9	1.5	.2				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 8...

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: FEB HOURS(LST): 1400-2000

DIRECTION (TENTHS)	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		
1	.5	1.7	5.2	4.1	1.2	.7						13.2	11.2
2	.7	1.5	.9	.5	.1							3.7	6.7
3	1.1	1.7	.5									3.2	4.6
4	.1	.4	.2	.1								1.1	5.4
5	.3	1.1	1.4									2.9	5.4
6	.4	1.7	1.7	.4								3.5	6.5
7	1.1	1.7	1.1	1.2	.1							5.1	7.5
8	1.7	1.7	.6	.7	.9	.1						5.1	8.7
9	2.2	2.2	1.2	.4	.2							6.5	6.1
10	.7	.4	.1									1.2	5.4
11	1.5	.7										2.2	3.3
12	1.1	1.1										2.2	7.5
13	2.1	1.5	.5									4.1	7.4
14	2.1	1.1	.7	.1								4.1	8.5
15	1.7	1.5	2.4	1.7	.9	.5	.4					8.2	10.4
16	.5	1.7	4.7	4.1	2.4	1.7	.2					14.9	17.3
VARIABLE													
CALM	//////////////

[illegible] CLIMATOLOGY BRANCH
[illegible]
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72661 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (TENS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
[illegible]	1.2	1.2	2.0	7.7	.9	1.1	.4					11.5	11.6
[illegible]	.5	.5	.7	.4	.1							2.7	7.0
[illegible]	.4	.2	.2									.8	4.7
[illegible]	.5	.4	.6	.1								1.6	4.3
[illegible]	.1	.7	.2									1.1	5.6
[illegible]	.2	.4	.9	.4								2.1	7.4
[illegible]	.4	1.2	1.2	.6								3.4	6.8
[illegible]	.	1.4	1.2	.4	.4							3.4	9.8
[illegible]	1.7	1.9	1.4	.9		.1	.1					6.1	7.1
[illegible]	1.5	.9	.2									2.7	4.2
[illegible]	.7	.9	.2									1.7	5.6
[illegible]	1.2	1.5	.1									2.5	3.5
[illegible]	3.2	1.2	.5									4.7	3.7
[illegible]	2.4	2.4	.8	.3	.1							5.9	4.3
[illegible]	1.5	1.8	1.7	3.7	1.5	.7						11.2	10.5
[illegible]	.7	1.4	2.5	7.2	1.5	1.1	.7					11.7	12.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	18.0	//////
TOTALS	27.6	23.4	24.7	27.3	7.3	3.2	.7					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	2.7	3.9	4.4	1.4	.2	.1					14.7	11.1
NNE	.6	1.2	1.2	.7	.2	.2						3.4	6.8
NE	.6	.9	.5	.1								2.2	5.4
ENE	.4	.4	.4	.1								1.4	5.1
E	.3	.4	.7	.2								1.5	6.5
ESE	.4	.3	.5	.3	.1							1.6	6.8
SE	.6	1.5	1.7	1.2	.2							4.9	8.3
SSE	1.1	2.7	1.7	2.3	.9	.3						9.0	9.9
S	1.5	1.7	1.1	.5	.4	.2	.1	.2				5.9	7.7
SSW	.3	.4	.1	.1								1.4	3.6
SW	.3	.7	.1									1.6	3.5
WSW	1.3	1.1	.1	.2								2.6	3.6
W	3.7	2.6	.5	.1				.2				6.5	3.9
WNW	2.2	1.2	.5	.1	.1	.2						4.6	4.6
NW	1.4	1.3	1.3	1.7	1.4	.4	.3	.1				8.4	12.0
NNW	.5	1.6	2.6	4.1	2.7	2.2	.4	.1				15.2	14.9
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	1.9	2.3	2.6	1.2	.7	.2					9.6	11.0
NNE	.9	.5	.8	.2	.1							2.7	7.0
NE	.2	.1										.3	7.7
ENE	.2	.4	.3									1.0	5.0
E	.5	1.2	.6	.7								3.1	5.7
ESE	.4	1.1	1.1	.6								3.2	7.4
SE	1.3	1.5	1.6	.8	.1							5.3	6.9
SSE	1.4	2.3	2.5	1.4	.9							8.4	8.3
S	1.4	2.4	2.5	1.2	1.1	.1						9.0	8.4
SSW	.5	1.4	.5									2.5	5.2
SW	1.5	1.4	.2									3.1	5.9
WSW	2.2	2.2	.6									4.9	7.9
W	2.6	3.9	1.3	.4								8.4	8.7
WNW	1.6	1.5	.5	.2								3.9	8.6
NW	1.9	1.7	1.7	.5	.3	.4	.2	.1				6.6	9.8
NNW	1.2	1.9	3.4	2.9	3.6	1.1	.4		.2			14.9	13.8
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.4	//////
TOTALS	19.3	28.6	25.0	11.3	7.4	1.9	1.2	.1	.2			100.0	7.3

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: 72662F STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (TOWARD)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.1	3.1	3.2	1.8	.3						10.4	12.2
NNE	.3	.4	.6	.6								2.0	8.1
NE	.2	.2										.4	6.2
ENE	.7	.7	.4									1.1	5.2
E	.7	1.1	.6	.1								2.7	6.8
ESE	.3	.9	1.1	.5								2.8	7.7
SE	1.2	1.8	1.3	.2	.3							4.9	6.2
SSE	1.0	1.7	2.5	1.3	.9							7.3	9.0
S	1.6	2.5	2.8	.6	1.2	.3						8.9	8.4
SSW	.8	1.1	.2									2.0	3.9
SW	1.7	1.4	.4									3.1	4.2
WSW	2.2	2.4	.3									4.7	4.8
W	3.1	4.1	1.2	.2								8.6	4.6
WNW	2.2	1.5	.2	.1	.1							4.9	5.2
NW	2.5	1.7	1.2	1.2	.6	.3	.2	.2				7.7	10.3
NNW	.9	1.1	3.5	4.5	2.7	2.4	.2	.2				15.9	14.9
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662F STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-2	3-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	1.2	3.2	3.5	1.9	.8						11.5	11.7
NNE	.3	1.3	1.0	.3		.1						2.7	7.8
NE	.1	.4										.5	4.8
ENE	.2	.4	.4	.1								1.2	6.6
E	.6	.5	.8	.2								2.2	6.2
ESE	.6	.5	1.5	.4								3.1	6.9
SE	.5	1.5	1.2	.4		.1						3.9	7.0
SSE	1.1	2.4	2.5	1.6	.9	.1						8.5	8.8
S	1.7	1.9	1.8	2.0	.5	.2						8.3	8.5
SSW	.9	.9	.1									1.8	3.8
SW	1.1	.9	.5									2.7	4.3
WSW	2.2	1.9	.1									4.1	3.6
W	3.2	3.2	1.0	.1	.1							7.4	4.4
WNW	2.2	1.7	.9	.4	.1		.1					5.5	5.3
NW	2.2	1.6	.6	.6	1.8	1.3	.5	.1				9.5	12.1
NNW	.3	.3	1.9	4.2	7.1	3.2	.3	.2	.1			14.7	16.8
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.5	//////
TOTALS	19.	23.1	27.6	19.1	13.5	5.5	1.5	.3	.1			100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 841

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: FLESWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.6	2.2	2.6	7.4	2.3	1.5	.2					17.1	13.0
NNE	.9	1.7	1.2	1.5	.3							4.6	8.1
NE	.3	.6	.6	.1								1.7	5.1
ENE	.5	.6	.5	.2								1.9	5.9
E	.1	1.2	.4	.2								2.9	6.2
ESE	.4	1.3	1.5	.5	.1							3.9	7.6
SE	1.3	2.3	2.9	.6	.2							7.8	8.7
SSE	.4	2.7	5.1	4.5	.4	.6	.1					13.7	10.3
S	1.2	1.4	2.6	1.5	.8	.6						8.7	9.8
SSW	.4	.5	.5									1.5	5.1
SW	.3	.6										1.7	5.7
WSW	.2	.4	.1									.9	4.4
W	.4	.9	.5	.1								1.8	5.2
WNW	.2	.4	.1	.2	.2	.2	.1					1.7	10.3
NW	.5	.7	.9	.8	1.4	1.6	.5	.1				6.5	10.8
NNW	.4	.6	2.4	4.4	5.1	2.7	1.2	.7				17.8	17.6
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726629 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 70-87
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	1.9	2.2	7.1	5.6	1.3	.2	.1				19.1	14.2
NNE	.2	1.2	2.4	1.2	.2							5.3	8.6
NE	.8	1.6	.9	.6								3.9	6.6
ENE	.2	.4	1.4	.1								2.3	7.5
E	.2	1.5	1.3									3.1	6.2
ESE	.8	2.0	2.4	.7	.1	.2						6.3	7.9
SE	.5	1.6	3.4	2.4	.8							8.7	9.3
SSE	.5	1.0	2.9	4.6	1.9	.2						11.4	12.0
S	1.2	1.6	2.2	1.6	1.1	.5	.3					8.5	10.9
SSW	.1			.2								.3	11.0
SW	.2		.1		.2							.5	10.2
WSW			.1	.1								.2	10.0
W			.2	.4								.6	12.2
WNW	.2	.1	.3	.6	.1	.5	.2					2.2	15.7
NW	.1	.5	.5	1.4	1.5	.6	1.2	.2				6.1	18.6
NNW	.5	.6	1.2	4.5	5.1	3.5	1.6	.3				17.3	16.4
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	1.9	4.0	7.7	4.4	1.7	.1	.1				20.2	13.4
NNE	.1	.9	1.6	1.7	.1							4.4	9.7
NE	.6	1.1	1.6	.1								3.5	6.1
ENE	.4	1.7	.6	.6								3.4	6.5
E	1.4	2.7	1.6	1.1								6.8	6.3
ESE	.4	1.6	2.8	1.1								5.9	7.9
SE	.8	1.3	3.9	3.0	.4							9.4	9.4
SSE	.9	1.5	3.7	2.3	1.2	.1						9.6	10.0
S	.6	.6	.5	1.6	.6	.7						4.9	11.5
SSW	.1		.4	.3		.1						1.0	11.2
SW	.6		.4	.2								1.3	6.8
WSW		.1	.3	.3	.2							1.0	12.4
W	.4	.4	.4	.1								1.6	6.1
WNW	.2	.2	.1	.3	.2							1.1	9.6
NW	.4	.3	.7	1.7	.9	1.5	.1					5.3	15.9
NNW	.4	.5	1.2	4.6	4.7	3.2	1.6	.2				16.6	18.2
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: MAR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	3.7	5.2	4.0	2.2	.3						15.7	11.1
NNE	.5	1.8	2.0	.8	.1							5.3	7.6
NE	.2	1.1	.9	.1								2.3	6.8
ENE	.4	1.7	1.1	.1								3.1	5.7
E	.9	2.8	2.2	.4								6.2	6.3
ESE	1.2	2.2	2.3	1.5								7.2	7.9
SE	1.2	2.2	3.5	1.0								7.9	7.2
SSE	1.4	1.9	2.6	1.6	.3							7.8	7.8
S	.4	1.7	1.5	1.1	.5							5.6	8.1
SSW	1.2	.8	.5									2.3	4.5
SW	.6	.3	.2	.1								1.3	5.1
WSW	.3	.5	.3	.1								1.2	5.5
W	1.2	.5	.4	.1								2.1	4.0
WNW	.7	1.2	.3	.8								2.9	6.9
NW	1.1	1.6	1.6	1.1	.3	.3						6.0	8.7
VRBL	.4	1.3	2.6	4.0	3.1	1.1	.5	.3				13.3	15.1
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662S STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	2.7	2.5	2.7	1.8	.4						10.9	11.1
NNE	.2	.6	1.1	.3								2.3	7.6
NE	.5	.3	.9	.2								1.7	4.4
ENE	.9	.9	.6									2.4	5.0
E	.6	1.6	.8	.5								3.5	6.3
ESE	.5	.9	1.1	.9								3.3	7.9
SE	.9	2.4	1.6	2.3	.1							7.3	8.3
SSE	1.5	2.0	3.3	1.4	.6							8.9	8.1
S	2.3	2.6	2.5	1.3	.2							8.9	6.9
SSW	1.4	1.2	.2									2.8	3.7
SW	.9	.8	.1									1.7	3.5
WSW	2.3	2.5	.5	.1								5.3	4.2
W	2.3	2.9	.8	.1								6.0	4.4
WNW	1.7	1.1	.9	.6								4.3	5.3
NW	1.7	1.4	1.5	1.7	1.2	.7						7.9	9.4
VRBL	.2	1.5	3.7	5.2	2.9	1.0	.3	.2	.2			19.2	14.6
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	17.9	//////
TOTALS	29.1	34.7	31.5	19.9	6.7	2.0	.3	.2	.2			100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 73-87
MONTH: MAR HOURS(LST): ALL

DIRECTION (TOWARDS)	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	.7	2.0	3.1	4.8	2.6	.9	.1	.0			14.3	12.5
NNE	.4	1.0	1.7	.4	.1	.1					3.6	9.2
NE	.4	.7	.6	.1							1.8	6.2
ENE	.4	.6	.7	.1							2.0	6.0
E	.7	1.1	1.1	.4							3.3	6.1
ESE	.6	1.7	1.7	.9	.3	.1					4.5	7.7
SE	1.3	1.6	2.4	1.3	.2	.1					6.9	7.9
SSE	1.3	1.9	3.1	2.3	.9	.1	.1				9.4	9.5
S	1.3	1.0	2.0	1.4	.7	.1	.1				7.8	8.9
SSW	.6	.7	.7	.1		.1					1.8	5.0
SW	.3	.7	.3	.1	.0						1.8	4.5
WSW	1.1	1.2	.3	.1	.0						2.7	4.6
W	1.3	2.0	.7	.2	.1						4.3	4.7
WNW	1.2	1.2	.4	.1	.1	.1	.1				3.2	6.9
NW	1.7	1.7	1.2	1.1	1.0	.3	.4	.1			6.9	12.5
NNW	.6	1.2	2.1	4.2	3.8	2.1	.9	.1	.1		15.6	15.3
VARIABLE												
CALM	//////////////

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD 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	.4	.8	1.4	2.3	.4							5.1	10.5
NNE	.1	.7	.2	.1								.8	7.1
NE		.7	.6									1.3	7.1
ENE		.1	.6									.7	9.2
E	.4	.7	.7	.1								1.9	6.1
ESE	.2	.3	.4	.1								1.1	6.7
SE	.1	1.8	1.1	.8	.6							4.7	8.7
SSE	.7	2.8	3.2	3.7	.9	.1						11.3	9.9
S	1.7	3.6	2.8	2.3	.2	.2						12.1	7.6
SSW	1.8	1.7	.8									3.3	4.2
SW	1.1	1.2	.1									2.4	3.7
WSW	2.2	2.2	.3		.1							4.8	4.2
W	3.2	3.7	1.6									8.1	4.6
WNW	2.7	1.1	.9	.9		.1						6.1	5.1
NW	1.8	2.8	2.7	2.7	1.7	1.1	.5					13.2	11.1
NNW	.7	2.2	2.8	4.1	1.7	1.4	1.2	.3				14.4	14.4
VARIABLE													
CALM	//////////////

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

STATION NUMBER: 72[illegible] STATION NAME: FLEMINGTON APT NJ PERIOD OF RECORD: 78-87
MONTH: APR HOURS/TIME ZONE: 0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
0	1.	1.4	2.0	2.-	.2	.2	.1					6.2	9.6
5/4	.1	.2	.2									.4	5.8
9	.2	.4	.2									1.2	5.2
5/9	.2	.2	.4	.1								1.4	7.2
1	.2	.4	.4	.2								1.4	7.4
1/9	.3	.2	.2	.1								1.4	6.4
2	.4	1.0	.6	.2	.2							2.1	7.2
2/9	1.2	2.2	2.4	3.1	.4	.1						9.4	9.6
3	1.6	1.4	1.2	2.-	.2	.1						7.6	9.2
3/9	1.6	.4	.2	.1								2.-	4.2
4	1.2	1.0	.2	.1								2.2	7.8
4/9	1.2	2.2	.4									3.2	9.2
5	2.2	3.2	.6	.2	.1							6.4	9.2
5/9	4.1	2.4	1.6	.4		.2						8.8	7.4
6	1.4	1.6	1.2	1.-	1.1	1.2	.2	.1				8.2	13.2
6/9	.4	1.2	3.2	5.4	2.6	1.2	.2	.2				16.4	14.2
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
OSAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: APR HOURS(LST): 0400-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.[illegible]	2.2	3.2	3.3	.6	.[illegible]	.2					11.[illegible]	10.6
NNE	.4	.8	.8	.1								2.1	6.4
NE	.2	.7	.3	.1								1.[illegible]	6.1
ENE	.2	.3	.6									1.1	6.3
E	.2	.6	.6	.4								2.1	6.9
ESE	.4	.4	.1	.2								1.[illegible]	[illegible].9
SE	.4	.9	1.2	.8	.1							3.4	6.4
SSE	1.9	1.9	2.3	3.1	1.1							10.[illegible]	9.5
S	1.9	2.[illegible]	2.9	1.7	1.8	.[illegible]						10.[illegible]	9.9
SSW	1.2	1.[illegible]	.1		.1							2.9	4.
SW	1.8	.9	.7									3.[illegible]	5.5
WSW	2.[illegible]	.9	.1		.1							3.1	3.5
W	2.4	[illegible].1	1.1	.1								5.8	4.4
WNW	1.4	1.2	.7	.4	.2	.[illegible]						4.[illegible]	7.2
NW	1.[illegible]	.7	.[illegible]	1.[illegible]	2.0	1.7	.9	.1				8.[illegible]	16.5
NNW	1.2	2.[illegible]	2.6	[illegible].[illegible]	3.6	1.9	1.[illegible]	.6				17.[illegible]	14.[illegible]
VARIABLE													
CALM	//////////////

[illegible] CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] FROM HOURLY OBSERVATIONS
[illegible] WEATHER SERVICE/MSC

[illegible] NUMBER: 7[illegible] STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (TENS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	OF 56	TOTAL %	MEAN WIND
[illegible]	.7	2.7	5.4	5.4	1.7	1.0	.4					17.3	11.9
[illegible]	.0	1.1	1.0	.7	.1							3.6	7.2
[illegible]	.3	.7	.7	.3								2.0	6.4
[illegible]	.7	.3	.0	.1								1.3	5.9
[illegible]	.5	.7	1.1	.0	.1							3.3	7.9
[illegible]	.3	1.1	.6	.3								2.4	6.8
[illegible]	.7	1.7	3.3	1.7	.6	.1						8.0	9.9
[illegible]	.7	1.7	4.1	5.8	1.2	.3						13.7	11.3
[illegible]	1.1	1.5	3.0	3.0	2.2	2.0	.1					12.7	13.7
[illegible]	.7	.0	.1	.1								1.0	5.0
[illegible]	.1	.3	.2	.2								.8	7.9
[illegible]	.7	.1	.4									.9	5.5
[illegible]	.1	.1		.1								.3	7.0
[illegible]	.3	.3		.2		.7	.1	.1				1.2	19.0
[illegible]	.3	.7	.3	.7	1.9	3.3	1.1	.6				9.3	20.6
[illegible]	.	1.9	3.7	4.6	4.1	3.4	1.7	.8	.1			19.1	17.3
VARIABLE													
[illegible]	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726629 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	.6	3.9	6.2	1.4	1.4		.3				14.6	13.3
NNE	.1	1.0	1.4	1.2	.1							4.0	9.3
NE	.3	1.7	.9	.4								3.2	6.1
ENE	.3	.4	.7	.2	.1							1.8	7.6
E	.3	1.2	2.0	1.5	.1							5.3	8.1
ESE	.2	1.4	1.7	.8								4.1	7.8
SE	.2	1.1	3.9	3.6	.7							9.4	10.4
SSE		.7	1.7	5.6	2.7	.7						11.4	14.0
S	.2	.7	1.7	3.2	2.1	1.7	.7					10.6	15.4
SSW			.2	.2		.1						.6	14.0
SW		.4	.2	.1	.1							.9	8.9
WSW	.4	.1	.2	.6	.2							1.6	9.7
W	.4	.1	.2	.4	.1							1.3	9.1
WNW	.2	.1	.4	.1	.6	.2						1.7	13.3
NW	.1	.7	.9	1.1	2.1	3.5	1.2	.6				10.2	20.4
NNW	.2	.9	1.7	4.6	3.9	3.2	1.4	.7	.2			16.6	18.3
VARIABLE													
CALM	//////////											2.2	//////
TOTALS	5.7	11.1	21.9	29.7	14.2	10.2	3.3	1.6	.2			100.0	13.5

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	1.9	3.0	5.9	2.1	1.2	.1	.1				14.4	12.9
NNE	.7	1.1	2.6	.8	.3							5.3	9.0
NE	.6	1.7	.9	1.1								4.3	7.7
ENE	.7	1.4	1.3	.8								4.2	7.7
E	.8	1.4	2.1	1.3								5.7	8.7
ESE	.4	.7	1.6	1.7	.1							4.1	8.8
SE	.7	1.7	3.6	3.0	1.0	.1						9.7	10.4
SSE	.3	.4	1.8	5.4	1.6	.1						9.4	10.9
S	1.0	.9	1.2	2.4	3.0	.6	.1					9.4	13.6
SSW	.3	.2	.7	.2								.9	7.1
SW	.3	.2	.3	.7	.2							1.6	10.5
WSW	.3	.1	.6	.2	.2	.1						1.7	12.2
W	.	.2	.3	.2								1.0	8.0
WNW	.3	.1	.3	.3	.3	.2	.3					2.1	16.6
NW	.3	.4	.7	2.2	1.4	4.8	.8	.2	.1			10.1	19.8
NNW	.3	.4	1.2	4.4	4.1	2.2	1.2	.2				15.6	17.2
VARIABLE													
CALM	//////////////

...AL CLIMATOLOGY BRANCH
...ATLAC
AIR WEATHER SERVICE/MAC

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

...TION NUMBER: 72662* STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: APR HOURS(LST): 1900-2300

DIRECTION (TENTHS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
...	.4	2.7	3.0	2.6	1.0	.1						9.7	10.1
...NE	.7	1.2	1.9	1.4								5.2	8.3
...E	.9	2.1	.6	.3								3.9	5.4
...SE	1.0	1.9	.5	.5								3.9	5.7
...	.4	2.3	3.2	.7	.2							6.9	7.6
...SW	.6	.7	2.7	1.4	.2							5.6	9.2
...	.3	2.3	3.3	2.1	.7	.2						8.9	9.6
...NW	1.3	1.9	2.9	2.9	.2	.1						8.9	9.1
...	1.3	1.9	2.3	1.6	.2	.2						6.9	8.6
...NE	.5	.7										1.4	3.5
...E	.7	.3	.3	.2								1.4	4.3
...SE	.7	.7	.1	.1								1.6	4.6
...	.7	.6	.2	.2								1.9	4.8
...SW	.7	1.1	1.1	.7	.1		.1					3.4	6.6
...W	.1	.5	2.2	2.6	1.7	1.4	.7	.1				9.7	15.6
...NW	.3	2.2	7.9	4.4	1.9	1.1	.8	.3				19.6	13.7
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	1.8	2.6	2.1	.6	.1						7.9	9.4
NNE	.7	1.1	.5	.4								2.2	7.0
NE	.2	.7	.2									1.2	5.2
ENE	.2	.4	.6									1.2	6.9
E	.1	.7	1.0	.2								2.0	7.2
ESE	.7	.9	1.1	1.2								3.9	8.1
SE	.2	1.3	1.4	1.6	.4							5.0	9.7
SSE	.9	2.0	3.3	2.3	.4							9.0	8.7
S	2.7	4.2	4.2	1.2	.3	.1						12.4	6.9
SSW	1.4	1.1	.4	.1								3.1	4.1
SW	1.3	1.1										3.3	2.8
WSW	1.3	1.1	.1	.2								3.7	3.8
W	2.3	3.3	.6			.1						6.9	4.3
WNW	1.3	1.4	1.0	.4		.1						5.1	6.2
NW	.3	2.0	2.0	1.4	2.6	1.3	.4					11.0	12.1
NNW	.2	1.0	3.4	2.8	1.7	.8	.7	.2				12.1	12.9
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: APR HOURS(EST): ALL

DIRECTION (TO)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	1.7	3.1	3.8	1.0	.5	.1	.1				11.0	11.5
NNE	.3	.8	1.1	.6	.1							2.9	8.1
NE	.4	1.1	.6	.7								2.7	6.7
ENE	.4	.7	.7	.2	.0							2.0	6.6
E	.4	1.0	1.5	.6	.1							3.6	7.7
ESE	.4	.6	1.1	.7	.0							2.7	8.7
SE	.4	1.4	2.3	1.7	.5	.1						6.5	9.5
SSE	.6	1.7	2.7	4.0	1.1	.2						10.5	10.8
S	1.4	2.1	2.7	2.2	1.2	.7	.1					10.1	10.6
SSW	.9	.7	.2	.1	.0	.0						2.0	4.7
SW	.5	.7	.2	.2	.0							2.0	4.7
WSW	1.1	.9	.3	.1	.1	.1						2.6	5.0
W	1.7	1.6	.6	.2	.0	.0						4.1	4.7
WNW	1.9	1.1	.7	.4	.2	.1	.1	.0				4.1	7.5
NW	.7	1.7	1.4	1.9	1.8	2.0	.5	.2	.0			10.3	15.9
NNW	.8	1.5	2.8	4.4	2.9	2.0	1.0	.4	.0			15.7	15.5
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: MAY HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	1.3	1.9	2.5	1.1	.3						7.7	11.0
NNE	.2	1.2	.4	.2	.1							2.2	7.2
NE	.2	.4	.2	.1								1.0	5.8
ENE	.4	.6	.4	.1								1.6	5.6
E	.2	.3	.4	.4								1.4	8.1
ESE	.3	.6	.4		.2							1.6	6.9
SE	.9	1.4	1.3	1.9								5.5	8.3
SSE	1.0	3.4	2.7	1.7	.1							8.9	7.5
S	1.6	4.3	4.3	2.9	.7							13.9	7.0
SSW	1.3	1.7	.9	.1								3.9	4.9
SW	1.3	2.7	.2									4.4	4.2
WSW	2.9	1.2	.4									4.3	3.4
W	4.3	3.5	.4									8.1	5.6
WNW	2.3	2.4	1.0		.1							5.7	6.5
NW	1.3	2.3	2.2	1.4	.4	.3	.2					7.7	9.2
NNW	.9	1.9	3.5	4.1	1.4	.3						12.3	10.7
VARIABLE													
CALM	////////////

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: MAY HOURS(LST): 0700-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	1.7	3.2	2.3	.2	.2						8.5	8.8
NNE	.2	.5	.3	.7								1.4	6.7
NE		.6	.1									.9	5.3
ENE	.5	.7	.1	.1								1.1	4.6
E	1.3	.9	.3	.6								2.9	6.9
ESE	.8	.5	.1	.2								1.7	5.8
SE	.2	.4	1.1	.9								2.8	8.3
SSE	.8	1.5	2.0	2.6	.4							7.3	9.3
S	2.2	2.4	3.2	3.4	.1							11.6	8.1
SSW	1.4	1.5	.2									3.1	3.8
SW	1.4	3.2										4.4	4.1
WSW	1.7	1.5	.4	.2								4.0	4.2
W	5.2	4.5	1.1	.1								11.0	7.9
WNW	1.8	2.4	.3	.2								4.7	4.3
NW	1.2	1.7	2.4	1.8	.6	.4						8.2	9.5
NNW	.8	1.9	2.8	4.3	1.5	.5	.2					13.8	11.7
VARIABLE													
CALM	////////////

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0400-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.2	3.6	3.3	.4	.2						10.5	9.4
NNE	.4	.5	.9	.3								2.2	6.9
NE		.4	.1	.1								.6	6.3
ENE	.3	.4	.3	.2								1.2	7.0
E	1.1	.4	.9	.4	.1							2.9	6.7
ESE	.3	.2	.8	.2								1.4	6.2
SE	.4	1.0	1.7	.5	.1							3.8	7.4
SSE	1.2	2.4	4.8	3.1	1.0	.1						12.8	9.4
S	3.7	3.0	2.5	4.2	1.0	.3	.1					14.7	8.7
SSW	1.3	.9	.5									2.6	4.1
SW	1.2	1.1	.4	.1								2.8	4.7
WSW	1.6	1.6	.9									4.1	4.0
W	2.5	1.7	.8	.2								4.7	4.2
WNW	1.2	1.1	.6	.1	.1	.1						3.5	6.8
NW	.6	1.2	1.7	1.9	1.1	1.3						7.7	12.6
NNW	.9	.9	3.7	6.9	3.1	1.3						16.2	13.6
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.[illegible]	2.8	5.5	6.6	1.2	.4	.2					17.4	10.7
NNE	1.2	1.[illegible]	1.4	.4								4.5	[illegible].1
NE	1.2	1.2	.6	.4								[illegible].5	[illegible].6
ENE	[illegible]	1.[illegible]	.2	.1	.1							2.[illegible]	[illegible].[illegible]
E	1.[illegible]	1.3	1.0	.2	.1							[illegible].[illegible]	[illegible].9
ESE	.6	1.1	1.1	.6								[illegible].4	[illegible].[illegible]
SE	.5	1.0	3.1	1.4	.2							[illegible].2	[illegible].5
SSE	.6	1.7	4.1	7.7	1.7	.4						16.[illegible]	11.9
S	.5	1.6	1.9	4.9	1.7	.5						11.[illegible]	12.1
SSW	.4	.1	.1	.3	.7							1.[illegible]	10.[illegible]
SW	.1			.7								.4	[illegible].[illegible]
WSW	.2	.1	.2	.1								.[illegible]	[illegible].[illegible]
W	.4	.4	.4	.1	.1	.2						1.[illegible]	[illegible].9
WNW	.2	.[illegible]	.[illegible]	.4	.2							1.9	9.8
NW		.1	.3	1.[illegible]	1.3	1.[illegible]	.2					[illegible].6	15.[illegible]
NNW	.[illegible]	1.[illegible]	2.4	[illegible].[illegible]	4.5	1.1	.[illegible]					17.[illegible]	14.[illegible]
VARIABLE													
CALM	//////////////

USAFETAC
AIR WEATHER SERVICE/MAC

CLIMATIC CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD — PERIOD OF RECORD: 78-87
MONTH: MAY — HOURS(LST): 1200-1400

DIRECTION (TENS OF DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	1.8	5.2	6.7	1.2	.2	.1					16.7	11.2
NNE	1.1	1.9	4.8	1.5								7.7	7.6
NE	.8	1.2	.9	.3								3.2	6.6
ENE	1.1	.5	.6	.4	.2							2.9	7.0
E	1.4	1.3	1.4	.7	.2							4.4	6.1
ESE	.1	1.2	2.5	.9								4.2	8.4
SE	.4	.9	2.7	3.1								7.1	9.8
SSE	.2	.8	2.5	7.6	2.3	.7						17.2	17.1
S	1.2	1.2	1.5	7.7	2.7	1.2	.2					11.4	17.8
SSW	.2	.2	.1	.2	.2		.1					1.2	10.3
SW	.1	.2	.2	.4								1.1	9.4
WSW	.2	.1	.2	.5								1.2	9.8
W	.2	.4	.2	1.2			.1					2.2	12.5
WNW	.2	.2	.4	.8		.1	.1					1.8	11.1
NW	.2	.2	.6	1.7	1.1	1.1	1.2					5.9	17.2
NNW	.2	.4	2.2	4.7	3.4	1.2	.2					12.2	14.4
VARIABLE													
CALM	////////////

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	1.9	4.6	5.7	1.1	.2	.3					14.4	12.9
NNE	.6	1.4	3.7	1.7	.2	.1						7.4	8.5
NE	.4	1.7	1.6	.2								3.8	7.7
ENE	1.2	1.6	1.3	.6	.1							4.8	7.6
E	.9	1.5	1.6	1.5	.1							5.2	9.3
ESE	.4	.9	2.2	1.5								4.9	9.9
SE	.4	1.3	2.9	1.7	1.1							7.3	12.3
SSE	.4	1.6	2.4	4.1	2.2	.3						11.2	12.2
S	.3	1.2	1.5	3.4	2.6	.7						9.6	13.4
SSW	.1	.8	1.3	.7	.2	.1	.1					3.9	10.1
SW	.7	.7	.6	.4	.1							2.5	5.8
WSW	.4	.5	.5	.2								1.9	5.6
W	.4	.7	.9	1.1	.1							3.3	9.3
WNW	.1		.4	.4	.4		.1					2.3	13.4
NW		.3	.5	1.4	2.2	.4	.3					5.1	15.0
NNW		1.1	1.3	4.1	2.6	1.3	.4					12.8	14.8
VARIABLE													
CALM	//////////////

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: MAY HOURS(LST): 1907-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	2.8	3.7	2.7	1.2	.1	.1					11.6	10.2
NNE	.4	2.2	1.6	.4								4.1	7.5
NE	.6	1.9	1.2	.5								4.3	7.4
ENE	.4	1.5	.3	.1								2.5	6.2
E	1.1	2.1	2.6	1.4		.1						7.1	7.7
ESE	.7	1.7	2.7	1.5	.2							6.7	9.8
SE	1.7	2.9	3.0	1.1	.2							9.0	7.7
SSE	1.4	2.5	2.5	1.4	.3							8.1	7.8
S	.9	3.7	3.5	1.6	.1							9.8	8.0
SSW	.4	1.1	.6	.2	.1							2.4	6.5
SW	.2	1.2	.1	.2								1.7	5.2
WSW	.2	.6	.5	.2								1.5	5.9
W	.2	.3	.2	.3	.1							1.0	6.9
WNW	.1	1.	.8	.4								2.3	6.7
NW	.7	2.9	1.2	2.2	1.2	.4	.2					7.7	11.6
NNW	.4	1.5	2.6	5.7	2.7	.2						13.1	12.1
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662E STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 2100-2300

DIRECTION (TENS OF DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	1.2	2.7	1.4	.6	.2						6.8	9.8
NNE	.3	.8	1.0	.2	.1							2.3	7.5
NE	.2	.2	.5									1.0	5.9
ENE	.3	.5	.3	.2								1.3	5.6
E	.3	1.4	.4	.4								2.4	6.3
ESE	.4	1.2	.6	.3								2.4	6.6
SE	.4	1.9	1.7	1.4	.4							5.9	8.7
SSE	1.4	1.5	2.2	1.7								6.9	7.1
S	3.7	6.7	3.0	1.0	.1							17.1	5.6
SSW	1.2	1.5	.5	.1								3.3	5.0
SW	1.5	1.0	.2	.1								2.9	4.1
WSW	.6	1.2	.2	.1								2.1	5.3
W	4.2	4.7	.7	.2	.2							9.9	4.1
WNW	1.2	2.6	1.2	.2	.1							5.3	5.6
NW	.9	1.6	3.1	1.6	.8	.4						9.7	9.9
NNW	.7	1.7	3.9	2.5	2.4	.8	.1					12.3	13.1
VARIABLE													
CALM	////////////

USAFETAC
AIR WEATHER SERVICE/MAC

USAFETAC CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD — PERIOD OF RECORD: 78-87 — MONTH: MAY — HOURS(EST): ALL

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56 OR MORE	TOTAL %	MEAN WIND
N	.8	2.0	3.8	3.9	.8	.2	.1					11.7	10.4
NNE	.6	1.2	1.9	.7	.1	.1						4.2	7.7
NE	.9	1.0	.6	.2								2.2	6.1
ENE	.7	.9	.5	.3	.1							2.3	6.8
E	.7	1.1	1.1	.7	.1	.1						3.9	7.0
ESE	.4	.8	1.2	.7	.1							3.2	7.9
SE	.4	1.5	2.2	1.4	.3							5.1	9.6
SSE	.5	2.2	2.9	3.8	1.0	.3						11.0	10.2
S	1.6	3.0	2.6	3.3	1.1	.3	.2					11.6	9.3
SSW	.5	.9	.5	.4	.1	.1	.1					2.5	6.1
SW	.7	1.2	.7	.2	.0							2.6	5.2
WSW	1.2	.9	.5	.2								2.8	4.7
W	2.3	1.9	.6	.4	.1	.1	.1					5.2	5.3
WNW	1.7	1.2	.7	.3	.1	.1	.1					3.4	6.5
NW	.5	1.7	1.5	1.7	1.3	.7	.2					7.5	12.4
NNW	.6	1.4	3.1	5.1	2.6	.9	.2					13.7	13.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	6.7	//////
TOTALS	19.1	32.6	33.8	27.9	7.4	2.3	.7					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 7447

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.2	1.6	1.3								4.3	8.2
NNE	.3	.2	.1		.1							.7	6.3
NE	.2	.8	.1	.2								1.3	5.9
ENE	.2	.1	.2									.6	4.6
E	.6	1.2	.1	.2								2.1	5.5
ESE	.1	.2	.6	.1								1.0	7.7
SE	.8	1.1	1.9	.8								4.6	7.2
SSE	.5	4.4	2.8	.4								8.6	6.2
S	1.7	4.7	6.7	.4								13.4	6.6
SSW	1.5	1.4	.3	.1								3.8	4.0
SW	1.5	.8										2.6	2.9
WSW	3.7	1.1	.2									4.7	2.8
W	4.4	3.7	.4		.1							8.8	3.6
WNW	2.3	3.4	1.3	.2	.1							8.1	4.8
NW	1.1	2.5	3.2	1.6	.3	.2						9.1	8.1
NNW	1.2	4.7	4.2	2.6	.7	.7						11.8	9.0
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 76-87
MONTH: JUN HOURS(LST): 0700-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.0	2.0	1.6	.1	.1						4.9	9.9
NNE	.2	.2	.3									.8	5.6
NE	.1	.1	.1	.2	.2							.9	10.6
ENE	.2	.2	.2	.1								.5	6.6
E	.4	.7	.8									1.9	5.9
ESE	.4	.2	.8	.1								1.6	6.6
SE	.7	1.0	1.0	.4								3.1	6.8
SSE	.5	2.1	3.2	1.0								7.4	7.4
S	2.7	3.7	2.5	.9		.1						10.2	6.1
SSW	1.4	1.0	.4	.2								3.1	4.6
SW	2.6	.8		.1								3.4	3.0
WSW	3.2	1.2	.2									4.7	3.0
W	5.4	3.2	.9	.7	.1							10.3	4.0
WNW	2.9	4.3	1.2	.2		.2						9.0	5.2
NW	2.9	3.0	2.6	2.1	.2	.4						10.8	7.7
NNW	.5	2.8	4.3	3.1	1.2	.4	.1					12.7	9.9
VARIABLE													
CALM	//////////////

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0800

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	2.6	3.0	2.4	.1							9.3	8.4
NNE	.7	.8	.6	.1								2.1	5.5
NE	.1	.1	.2	.2								.7	8.3
ENE	.2	.3	.1									.6	4.1
E	.6		.1									.7	3.3
ESE	.2	.6	.4	.6	.1							2.0	8.3
SE	.9	1.6	.8	.6	.1							3.9	6.5
SSE	.8	2.4	3.2	2.4								8.9	8.3
S	2.7	3.0	3.9	2.3	.2							12.1	7.3
SSW	2.1	1.6	.4		.1							4.2	4.1
SW	2.0	.6	.2	.1	.1							3.0	4.0
WSW	2.0	1.6	.1	.1								4.6	3.2
W	5.8	2.0	.7	.2								8.7	3.5
WNW	1.1	.6	.7	.8	.2							3.3	7.3
NW	1.2	1.9	1.4	1.6	1.4	1.2	.2					8.9	12.1
NNW	1.1	3.8	4.0	4.2	1.8	.6						17.6	10.8
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 7[illegible]-87
MONTH: JUN HOURS(LST): 0900-1100

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	4.6	6.8	5.2	.7							18.2	8.9
NNE	1.2	2.7	1.0	.9								5.1	6.3
NE	1.9	2.9	.4	.2								5.3	4.8
ENE	.6	1.2	.9									2.7	5.3
E	.5	2.7	1.3	.1								4.7	5.9
ESE	1.1	1.7	.8	.2								3.4	5.5
SE	.8	2.2	2.1	1.7	.1							6.9	7.9
SSE	.6	2.3	4.0	5.4	.7	.1						13.1	10.1
S	.8	2.0	2.9	4.4	1.4							11.6	10.8
SSW	.1	.6	.1									.8	4.9
SW	.4											.4	2.3
WSW	.4	.2	.1	.2								1.0	6.0
W	.6	.4		.1								1.1	4.3
WNW	.2		.1	.9								1.3	10.2
NW	.2	.6	.6	1.6	2.0	1.0						6.0	15.2
NNW	.7	2.2	3.7	5.2	3.3	1.1	.1					16.4	12.9
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	2.9	/////
TOTALS	11.1	29.7	29.8	28.3	8.2	2.2	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 9[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	2.3	6.7	6.4	1.1	.2						17.9	10.4
NNE	.2	1.4	1.7	.1								3.1	6.3
NE	1.1	1.9	1.6	.3								4.9	5.9
ENE	1.1	2.6	1.1	.1								5.1	5.6
E	1.4	2.8	2.3	.1								6.7	5.7
ESE	1.2	1.1	1.7	1.1	.1							5.3	7.6
SE	.4	2.1	3.1	1.9								7.6	8.4
SSE	.2	1.6	3.7	6.6	1.4							13.1	11.6
S	.7	1.3	1.1	5.3	1.7							9.8	12.4
SSW	.2	.2	.2									.7	6.0
SW	.2	.2	.1	.1								.7	5.5
WSW	.4	.2		.1	.1							.9	6.1
W	.1	.1	.1	.1	.2							.7	11.0
WNW	.1		.1		.1	.2						.6	15.8
NW	.2	.6	1.1	2.0	.8	.7						5.6	13.1
NNW	.4	1.4	1.9	5.9	3.0	1.1						14.0	13.4
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
LSAFB/IAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	3.4	6.4	5.3	1.1	.2						17.9	9.7
NNE	.7	1.1	2.0	.9								4.7	7.5
NE	.9	1.9	.9									3.9	5.3
ENE	.9	2.6	1.6	.7								5.9	6.9
E	.9	2.6	3.7	1.4								8.4	7.6
ESE	.7	2.0	1.4	1.4	.1							5.7	7.9
SE	.6	2.4	4.3	2.9	.3							9.3	8.5
SSE	.9	1.3	3.2	5.2	.7							11.2	10.2
S	1.2	1.3	1.3	4.6	.9							9.1	10.7
SSW	.4	.2	.3	.1								1.1	5.9
SW	.4	.4	.4									1.3	5.7
WSW	.9	.3	.2	.1								1.4	4.3
W	.4	1.1	.1	.2	.1							2.0	6.1
WNW	.2	.6	.1	.2	.2							1.4	6.2
NW	.2	.4	1.2	1.9	.8	.4	.1					5.1	13.4
NNW	.9	1.2	2.2	5.6	1.2	.5	.2					11.9	12.4
VARIABLE													
CALM	//////////											.9	//////
TOTALS	13.7	27.7	39.8	34.2	5.1	1.2	.3					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 958

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD — PERIOD OF RECORD: 79-87
MONTH: JUN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	3.2	5.3	2.6	.3	.1						11.9	8.7
NNE	.8	2.1	1.1	.7	.2							4.9	7.0
NE	.8	1.8	1.3	.1		.1						4.1	6.2
ENE	.3	3.2	1.3	.2								5.1	6.0
E	1.3	4.4	2.6	.8								9.1	6.2
ESE	.9	1.7	3.1	2.4								8.1	8.5
SE	.4	2.2	3.7	1.2	.1							7.7	8.0
SSE	.8	2.6	3.0	1.1								7.4	7.2
S	2.2	3.0	3.3	.9	.1							9.7	6.5
SSW	1.6	.3	.4	.1								2.4	4.1
SW	1.4	.7	.1		.1							2.3	3.8
WSW	.7	.4	.3	.2								1.8	5.9
W	1.4	.7				.1						2.1	3.8
WNW	.8	.8	.3	.3	.3							2.6	7.3
NW	.6	1.4	1.2	1.2	.7	.7						5.6	10.1
NNW	.4	1.7	3.7	2.7	1.2	.4						10.1	11.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.1	//////
TOTALS	14.8	30.7	31.0	14.4	3.1	1.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	2.8	1.4	.9	.4							5.6	7.9
NNE	.7	.4	.6	.2	.1							1.7	7.8
NE	.4	.6	.3									1.3	5.0
ENE	.7	.7	.3									1.7	4.3
E	1.3	1.0	1.4	.7								3.8	6.6
ESE	.3	1.3	1.2	.4	.1							3.4	7.5
SE	.9	2.1	1.9	.7	.1							5.7	7.1
SSE	1.2	2.6	2.9	.8	.1	.1						7.9	7.2
S	1.7	6.2	4.6	.7	.1							13.2	6.2
SSW	1.9	1.0	.2	.1								3.2	3.6
SW	2.4	1.8	.3									4.6	3.5
WSW	2.3	.9	.2									3.7	2.9
W	4.3	2.2	.4	.4								7.3	4.3
WNW	1.9	2.4	.8	.1	.1	.2						5.1	5.6
NW	1.7	3.7	2.4	.9	.6	.1	.1					9.4	7.9
NNW	2.7	2.7	3.3	2.3	.8	.4						11.2	8.9
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.2	//////
TOTALS	33.2	51.9	32.4	7.4	2.4	.2	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 70-87
MONTH: JUN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.6	4.2	3.2	.5	.1						11.2	9.2
NNE	.6	1.2	.9	.4	.1							3.2	6.7
NE	.6	1.2	.6	.2	.0	.0						2.7	5.8
ENE	.5	1.4	.7	.1								2.7	5.6
E	.5	1.9	1.5	.4								4.6	6.3
ESE	.6	1.1	1.2	.9	.1							3.8	7.6
SE	.7	1.9	2.3	1.1	.1							6.1	7.8
SSE	.5	2.5	3.2	2.5	.4	.0						9.7	8.9
S	1.4	3.2	3.2	2.9	.5	.0						11.1	8.2
SSW	1.2	.8	.3	.1	.0							2.4	4.3
SW	1.4	.7	.2	.0	.0							2.7	3.6
WSW	1.3	.8	.2	.1	.0							2.4	3.5
W	2.0	1.7	.5	.2	.1	.0						5.1	4.7
WNW	1.2	1.0	.6	.3	.1	.1						3.9	6.1
NW	.9	1.6	1.7	1.6	.8	.2	.1					7.0	10.4
NNW	1.5	2.3	3.0	4.2	1.6	.7	.1					13.2	11.2
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	7.3	//////
TOTALS	17.1	36.1	29.8	17.1	4.3	1.0	.1					105.3	7.3

TOTAL NUMBER OF OBSERVATIONS: 7206

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0000-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.2	1.6	1.4	.4	.1						7.0	8.9
NNE	.4	.3	.7		.1							1.2	5.8
NE	.2	.2	.3	.2								1.0	7.2
ENE	.4	.4	.2									1.0	4.2
E	.2	.8		.1								1.2	4.7
ESE	.5	.4	.1	.1								1.4	4.2
SE	.6	1.8	1.3	.2								4.0	5.6
SSE	1.2	4.7	4.1	.5								10.7	6.5
S	1.8	7.7	5.7	1.6	.1							16.6	6.7
SSW	1.5	2.7	.9	.2								5.6	5.0
SW	1.7	2.9	.6									5.1	4.2
WSW	2.5	1.2	.1			.1						3.9	3.6
W	4.1	2.0	.2	.1	.1							6.5	3.4
WNW	3.1	2.7	.2	.1								5.6	3.5
NW	1.2	3.2	2.0	1.0	.3							7.5	7.1
NNW	.5	2.8	4.2	2.4	.9	.2	.1	.1				11.2	9.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	10.2	//////
TOTALS	29.7	75.1	31.2	9.5	1.9	.4	.1	.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 930

USAF AIR CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	1.6	3.0	1.4	.4	.2						7.3	9.2
NNE	.7	.6	.7	.2								1.4	6.6
NE		.2	.1	.2								.5	9.0
ENE	.6	.1										.8	2.7
E	.4	.4	.2	.1								1.2	4.9
ESE	.5	1.1	.2									2.0	4.2
SE	.6	1.8	.5	.3								3.1	5.6
SSE	1.7	1.9	3.3	1.2								7.8	7.5
S	2.9	5.4	4.2	1.4	.1							13.9	6.9
SSW	1.4	2.5	.2									4.1	4.1
SW	1.8	2.2	.3									4.2	4.1
WSW	1.7	1.3	.2									3.2	3.1
W	2.1	2.4	.5									5.0	3.9
WNW	4.1	1.7	.3									6.1	3.2
NW	2.4	3.7	1.7	.2	.0	.2						8.2	5.6
NNW	1.2	4.2	3.9	3.2	.8	.3	.1					13.6	9.3
VARIABLE													
CALM	//////////											12.8	//////
TOTALS	29.1	41.1	26.7	9.4	2.0	.8	.1					100.2	5.4

TOTAL NUMBER OF OBSERVATIONS: 2[illegible]

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

STATION NUMBER: 726025 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	2.2	4.1	3.2	.4	.1						11.4	9.1
NNW	.4	1.2	.4	.1		.1						2.2	8.1
NW	.2	.2	.2	.1								.8	6.2
WNW	.1	.6		.1								.8	5.4
W	.2	1.2	.8									2.4	5.1
WSW	.2	.2	.6									1.2	7.2
SW	1.2	1.4	.4	.2								3.1	5.4
SSW	1.4	3.2	2.8	1.2	.2							8.8	7.4
S	3.8	7.2	5.1	2.5	1.2							17.8	8.1
SSE	1.2	1.6	.1	.2								3.2	7.8
SE	1.2	1.1	.2									2.4	7.2
ESE	1.2	1.2										2.4	7.2
E	2.2	1.6	.2									4.8	5.1
ENE	1.2	1.0	.4									2.7	6.2
NE	1.2	2.4	1.2	1.2	.6	.2						7.2	7.9
NNE	.4	3.4	6.1	4.6	1.4	.2	.1					16.2	10.4
VARIABLE													
CALM	//////////											2.2	//////
TOTALS	20.4	27.1	28.6	14.9	4.1	.2	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 939

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

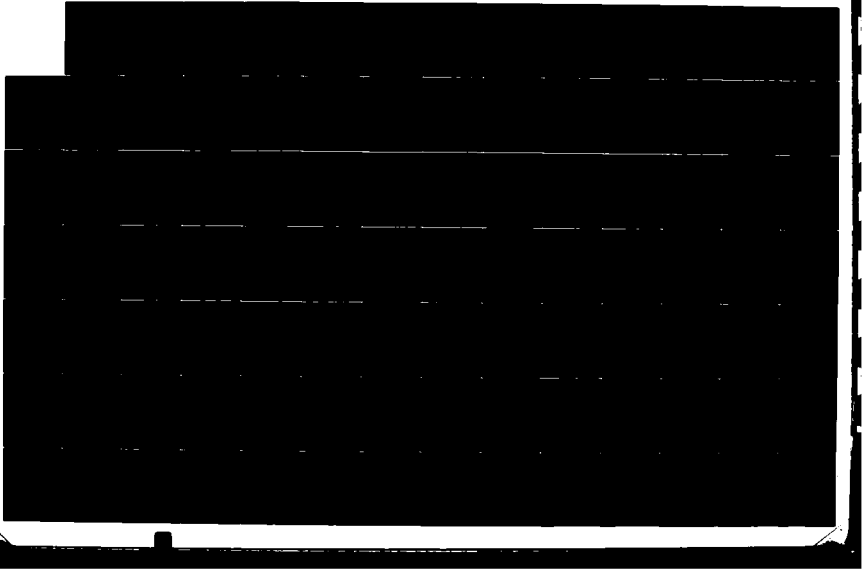
PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

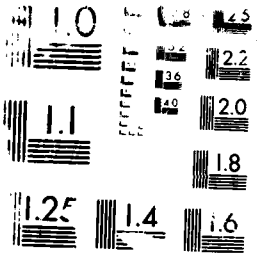
STATION NUMBER: 72606 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 73-87
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.6	3.5	5.7	6.2	.9							18.2	9.4
NNE	1.3	2.7	1.3	.1								5.4	5.1
NE	1.5	1.7	.5	.1								3.4	4.4
ENE	.7	1.1	.2	.2								2.4	5.2
E	1.5	2.4	.8									4.7	4.5
ESE	.5	1.2	1.0	.1								2.8	8.2
SE	1.1	2.5	2.3	.5								6.3	6.6
SSE	1.4	2.9	5.3	4.9	.9							15.4	9.4
S	1.4	2.5	4.1	4.9	2.7	.2						15.7	10.7
SSW	.6	.6	.4	.1								1.8	6.5
SW	.5	.1										.6	2.5
WSW	.1	.1										.2	4.5
W	.1	.4										.5	5.4
WNW	.2	.2	.3	.3								1.0	6.3
NW	.9	.6	.2	1.1	.4	.2						3.1	11.4
NNW	.9	2.3	3.2	6.7	1.7	.2						14.3	11.2
VARIABLE													
CALM	//////////////

AD-A188 318 ELLSWORTH AFB SOUTH DAKOTA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBS..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. DEC 87 2/4

UNCLASSIFIED USAFETAC/DS-87/083 F/G 4/2 NL

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	3.8	5.8	5.5	.8	.1						17.0	9.5
NNE	.6	1.6	1.1	.4								3.8	6.3
NE	1.0	2.5	.6									4.1	5.0
ENE	1.4	2.6	.6	.1								4.7	4.9
E	1.3	2.4	1.1	.2								5.4	5.4
ESE	.8	2.0	1.7	.5								5.1	6.6
SE	.6	2.7	4.2	2.7								10.2	8.2
SSE	1.1	1.9	4.7	8.0	1.0							16.7	10.7
S	.8	1.1	2.2	5.7	2.2							11.8	12.3
SSW	.3	.3	.1		.1							.9	5.8
SW	.2	.6		.1								1.0	4.8
WSW	.2	.2	.2									.8	4.0
W	.4	.1	.2									.8	4.4
WNW	.1	.1	.2									.4	5.3
NW	.5	.4	1.2	1.8	.3	.1	.1					4.5	11.4
NNW	.5	1.4	2.3	5.1	.9	.3		.1				10.8	11.5
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.3	//////
TOTALS	11.4	29.2	26.2	30.1	5.1	.5	.1	.1				100.0	8.9

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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	2.4	4.4	4.1	.5	.1						12.7	9.4
NNE	.9	.6	1.2	1.1		.1						3.9	8.5
NE	.9	1.0	1.1	.1								3.0	5.6
ENE	.6	1.2	1.4	.3								3.5	6.3
E	1.6	2.6	2.9	1.2								8.3	6.6
ESE	1.4	1.6	2.6	1.2								6.8	7.4
SE	.8	2.2	3.8	3.2								9.9	8.9
SSE	1.2	2.8	5.4	5.9	.5							15.8	9.6
S	1.0	1.8	3.1	3.4	.2	.2						9.8	9.5
SSW	.1	.8	.5	.1			.1					1.6	7.8
SW	.4	.8	.2	.1	.1	.1						1.7	7.3
WSW	.4	.5	.5									1.5	5.7
W	.6	.9	.4	.3	.1							2.4	6.5
WNW	.1	.2	.2	.4	.1							1.1	10.0
NW	.2	1.0	1.6	1.2	.3	.1						4.4	9.5
NNW	.4	1.0	3.3	4.6	1.0	.3	.1					10.8	11.6
VARIABLE													
CALM	//////////											2.9	//////
TOTALS	11.8	21.2	32.7	27.3	2.9	1.3	.7					100.0	8.6

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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: JUL HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	3.4	3.8	2.7	.2							11.3	8.2
NNE	1.0	1.9	2.2	.3	.1	.1						5.6	6.9
NE	.7	.9	1.0	.1	.1							2.4	7.4
ENE	.8	2.2	1.6	.3								4.8	6.0
E	1.9	2.5	3.9	1.3								9.6	6.9
ESE	.2	1.4	3.2	.8								5.6	8.0
SE	.6	3.2	4.0	2.3								10.1	7.8
SSE	1.4	3.2	4.7	2.2	.3							11.8	7.9
S	2.0	3.0	2.4	.5	.1	.2						8.3	6.6
SSW	.9	.3	.3	.2	.1							1.8	5.8
SW	.6	.4	.3	.2	.2							1.9	7.3
WSW	1.0	1.2	.3	.1	.1							2.7	5.4
W	1.1	1.0	.2	.2		.1						2.6	5.9
WNW	1.0	.6	.4	.1								2.2	5.1
NW	.2	1.3	1.3			.2						3.0	7.7
NNW	.8	2.2	2.7	3.0	.5	.1						9.2	9.7
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	1.7	1.9	1.1	.3							6.1	7.7
NNE	.3	1.1	.8									2.2	5.7
NE	.5	.9	.6			.1						2.2	6.0
ENE	.4	1.2	.3	.1								2.0	5.5
E	1.2	2.4	1.0	.3								4.8	5.5
ESE	.5	1.3	1.3	.4								3.3	7.1
SE	.6	1.6	2.3	.6	.1							5.3	7.5
SSE	.9	3.7	3.3	.8	.1							8.7	6.8
S	2.5	7.3	4.9	1.2								15.8	6.1
SSW	1.9	1.7	.5	.1	.1							4.4	4.6
SW	1.4	2.6	.6	.1								4.7	4.9
WSW	3.1	1.3	.2									4.6	3.2
W	3.3	1.4	.1									4.8	3.0
WNW	1.5	2.0	.1	.2								3.9	4.2
NW	1.0	2.9	2.2	.6	.1	.2						6.9	7.3
NNW	.5	2.6	3.0	2.0	.4	.2						8.8	9.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	11.4	//////
TOTALS	20.9	36.5	23.0	7.6	1.2	.5						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	2.6	3.8	3.3	.5	.1						11.4	9.1
NNE	.7	1.2	.9	.3	.0	.0						3.2	6.5
NE	.6	.9	.6	.1	.0	.0						2.2	5.7
ENE	.7	1.0	.5	.1								2.5	5.4
E	1.2	1.8	1.3	.4								4.7	5.9
ESE	.6	1.1	1.4	.4								3.5	6.8
SE	.8	2.1	2.3	1.3	.0							6.5	7.5
SSE	1.2	3.1	4.2	3.2	.4							12.0	8.6
S	2.0	4.1	3.9	2.9	.8	.1						13.6	8.2
SSW	1.1	1.2	.4	.1	.0		.0					2.9	4.9
SW	1.0	1.3	.3	.1	.0	.0						2.7	4.7
WSW	1.5	.8	.2	.0	.0	.0						2.6	3.8
W	2.2	1.0	.2	.1	.0	.0						3.8	3.8
WNW	1.4	1.1	.3	.1	.0							2.9	4.2
NW	.9	2.0	1.4	.6	.4	.2	.2					5.7	8.2
NNW	.7	2.5	3.6	4.0	.9	.3	.1	.0				12.0	10.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	7.7	//////
TOTALS	17.0	28.4	25.3	17.1	3.1	.7	.1	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 7949

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	1.3	2.4	1.4	.2							5.8	8.6
NNE	.2	.5	.4									1.3	5.3
NE	.1		.3									.4	6.3
ENE	.2	.5	.1	.1								1.0	5.7
E	.8	1.2	.1	.2	.1							2.4	5.6
ESE	.2	.5										.8	3.7
SE	.9	1.4	1.9	.2								4.4	6.3
SSE	1.0	3.4	3.5	1.5								9.5	7.2
S	2.8	8.1	4.3	2.4	.1							17.6	6.6
SSW	1.9	1.4	.6	.3	.1							4.4	5.3
SW	2.2	2.2	.1	.1								4.5	3.9
WSW	2.7	1.7	.4									4.8	3.3
W	4.3	3.6	.8		.1							8.9	3.8
WNW	2.4	2.5	.9	.2								5.9	4.6
NW	1.1	2.4	1.7	1.7	.4	.1						7.0	8.0
NNW	.6	3.2	2.3	2.8	.9	.4						10.2	9.8
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.4	2.0	1.6	.3							5.6	9.4
NNE	.2	.4	.2									.9	5.3
NE	.2	.1	.1	.1								.5	5.8
ENE	.1	.2	.1									.4	5.5
E	.4	.3	.2									1.0	4.1
ESE	.3	.3	.5	.3								1.9	5.9
SE	.5	1.2	.4	.3								2.5	6.0
SSE	1.5	4.2	4.4	1.9								12.0	7.3
S	2.9	4.5	4.1	1.8	.1	.1						13.5	6.8
SSW	1.7	1.4	.3	.1								3.5	4.3
SW	1.6	1.2	.4									3.2	3.7
WSW	2.4	.5	.8									3.7	3.8
W	4.4	4.1	.9									9.4	3.8
WNW	3.2	3.1	.4	.1								6.8	4.2
NW	1.7	3.0	2.4	.5	.3	.2		.1				7.8	7.4
NNW	1.4	3.4	4.4	2.8	1.0	.3	.1					13.4	9.4
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	3.1	2.8	1.9	.1							8.5	7.9
NNE	.5	.1	.5	.1								1.3	5.9
NE		.5	.1									.6	5.7
ENE	.1			.1								.2	8.0
E	.4	.2	.1	.1								.9	4.9
ESE	.1	.4	.3	.1								1.0	6.6
SE	.6	1.3	1.3	.5	.1							3.9	6.8
SSE	1.2	2.0	4.5	2.9	.2	.2						11.1	8.8
S	2.9	4.4	6.1	3.5	.1							17.1	7.4
SSW	1.6	2.0	.5	.1								4.3	4.5
SW	1.9	1.0										2.9	3.0
WSW	2.5	.5	.2									3.2	2.7
W	2.5	2.6	.8	.3								6.1	4.6
WNW	1.2	1.3	.5	.4	.1							3.5	5.6
NW	1.2	3.2	1.9	1.3	.3	.1						8.1	7.6
NNW	.5	2.9	4.2	4.5	1.2	.8	.1					14.1	11.1
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	4.4	6.7	5.1	1.1							19.0	9.0
NNE	.9	1.6	1.5	.4								4.4	6.3
NE	.7	.4	.4	.1								1.3	5.5
ENE	.9	.9	.6	.1								2.5	5.0
E	.6	1.4	.9									2.9	5.1
ESE	.5	.9	.5	.2								2.2	6.1
SE	.9	1.9	3.0	1.4								7.1	7.8
SSE	.9	2.7	4.4	3.9	.4	.2						12.0	9.5
S	1.1	2.9	4.2	6.3	1.5	.7						16.3	10.6
SSW	.4	.4	.3	.4		.1						1.7	7.8
SW	.3	.5	.4	.2								1.5	6.8
WSW	.5		.2	.1								.9	4.9
W	.5	.4	.1		.1	.1						1.3	6.8
WNW	.1	.4	.6	.1		.1						1.5	8.4
NW	.5	.5	1.9	2.2	.5	.2						5.9	11.0
NNW	.4	2.5	3.8	6.3	1.7	1.3						15.4	11.8
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	2.8	5.1	5.3	1.7	.1						16.3	9.9
NNE	1.0	2.4	1.5	.9								5.7	6.6
NE	.5	2.4	1.6	.3								4.8	6.4
ENE	.4	1.3	.9	.1								2.7	5.8
E	.6	2.6	1.6	.3								5.2	6.2
ESE	.4	1.8	1.4	.9								4.5	7.4
SE	.6	2.0	3.8	2.6	.1							9.1	8.7
SSE	.4	1.4	3.2	4.6	1.4	.1						11.4	11.1
S	.9	1.6	3.0	5.5	1.4	.5						12.9	11.8
SSW		.4	.8	.3	.1							1.6	9.9
SW	.1	.5	.3	.3	.1							1.4	8.8
WSW	.1	.3	.2	.2								1.1	6.9
W	.1	.6	.3	.2	.1							1.4	8.1
WNW	.1	.1	.4	.7	.2							1.2	10.7
NW	.5	.7	.5	1.5	1.0	.7						4.4	11.8
NNW	.2	1.7	3.4	5.7	2.4	.2						13.9	13.0
VARIABLE													
CALM	////////////

SPECIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	3.4	4.8	4.9	.9	.3						15.0	9.9
NNE	.2	1.2	1.7	1.1								4.2	8.2
NE	.9	1.5	1.5	.3	.1							4.3	6.5
ENE	.6	2.0	1.5	.4								4.6	6.7
E	1.2	2.8	3.0	1.2	.2							8.2	7.3
ESE	.9	1.2	2.2	1.1								5.3	7.8
SE	.6	2.0	2.7	3.7	.2							9.3	9.3
SSE	1.1	1.7	3.2	4.4	.6	.1						11.2	9.9
S	.9	2.6	2.5	3.7	.9							10.0	9.6
SSW	.1	1.0	1.3	.6	.1							3.1	8.5
SW	.2	.6	.9									1.7	6.4
WSW	.5	.9	.8	.4								2.2	6.6
W	.2	.9	.2	.3								1.6	6.9
WNW	.4	.4	.1	.6								1.6	8.1
NW	.3	1.0	1.2	.9	.5	.1		.1				4.1	10.8
NNW	.5	.4	2.3	5.4	1.3	.4	.1	.1				11.6	12.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.0	//////
TOTALS	9.4	23.7	30.9	25.4	4.7	1.0	.1	.2				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.7	3.7	2.8	.4		.1					10.3	9.5
NNE	.4	1.7	1.7	1.1								5.0	7.8
NE	.4	2.4	1.6	.1								4.5	5.9
ENE	.9	3.6	1.0		.2		.1					5.7	6.1
E	2.4	3.7	2.9	.9	.1							9.9	6.1
ESE	.4	1.5	4.3	1.7		.1						8.1	8.9
SE	1.1	3.7	3.5	1.4	.1							9.7	7.1
SSE	1.4	3.1	2.6	1.6	.2	.1						9.3	7.7
S	1.1	2.7	1.8	1.1	.2							7.0	7.5
SSW	.5	.6		.4								1.6	6.7
SW	.6	.5	.2	.1								1.5	4.6
WSW	.8	.4			.2	.1	.1					1.6	8.9
W	1.7	1.4	.1	.7								3.6	4.4
WNW	.8	1.5	.4	.2								2.9	5.4
NW	.6	2.7	1.3	.5	.4							5.6	7.4
NNW	1.0	1.6	3.0	2.5	.5	.2	.1					9.0	9.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.2	//////
TOTALS	14.5	33.9	28.2	17.1	2.6	.5	.4					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	2.0	1.7	1.6	.4							6.3	8.9
NNE	.2	1.1	.4	.5								2.3	7.1
NE	.4	.6	.3	.2								1.6	5.9
ENE	.5	.6	.3	.1	.1							1.9	5.9
E	.6	1.8	.4	.5								3.5	6.4
ESE	.3	1.5	1.7	.3		.1						4.0	7.0
SE	.6	1.6	2.6	.6								5.5	7.2
SSE	1.4	4.2	3.2	.4		.1						9.4	6.4
S	2.0	7.3	4.4	1.6								15.4	6.5
SSW	1.6	3.0	.3	.2								5.2	4.8
SW	2.2	1.1	.1	.2	.1							3.7	4.4
WSW	2.2	1.1	.3		.1							3.7	4.0
W	3.3	4.2	.4	.1	.2							8.1	4.3
WNW	1.4	2.2	.3	.2								4.1	4.7
NW	.6	2.9	1.6	.9	.3							6.4	7.5
NNW	.9	2.4	2.3	1.7	1.0	.3	.1					8.5	10.1
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.7	3.6	3.1	.6	.1	.0					10.8	9.3
NNE	.5	1.1	1.0	.5								3.1	6.9
NE	.4	1.0	.8	.1	.0							2.3	6.1
ENE	.5	1.1	.6	.1	.0		.0					2.4	6.0
E	.9	1.7	1.2	.4	.1							4.2	6.2
ESE	.5	1.0	1.4	.6		.0						3.5	7.5
SE	.7	1.9	2.4	1.3	.1							6.4	7.7
SSE	1.1	2.8	3.6	2.7	.4	.1						10.7	8.6
S	1.8	4.3	3.8	3.2	.6	.1						13.7	8.7
SSW	1.0	1.3	.5	.3	.0	.0						3.2	5.9
SW	1.1	1.0	.7	.1	.0							2.6	4.6
WSW	1.5	.6	.4	.1	.0	.0	.0					2.6	4.4
W	2.1	2.0	.4	.2	.1	.0						5.0	4.4
WNW	1.1	1.4	.5	.2	.0	.0						3.2	5.5
NW	.8	2.0	1.6	1.1	.5	.1		.0				6.2	8.6
NNW	.7	2.2	3.3	3.9	1.2	.4	.1	.0				12.0	11.1
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	1.6	2.1	1.0	.1							6.0	7.0
NNE	.3	.9	.4									1.7	5.4
NE	.6	.6	.2									1.3	4.1
ENE		.3	.1		.1							.6	8.2
E	.7	.2	.3	.3								1.6	6.4
ESE		.2	.1	.2	.1							.7	9.8
SE	1.1	1.9	.1	.6	.1							3.8	5.8
SSE	1.3	3.0	4.8	2.6	.4							12.1	8.2
S	1.3	4.7	2.7	2.1	.3							11.1	7.4
SSW	1.0	1.6	.4									3.0	4.3
SW	1.8	1.3	.3	.1	.1							3.7	4.3
WSW	2.2	1.1	.8	.1								4.2	3.8
W	4.0	2.8	.3									7.1	3.3
WNW	3.1	3.3	.7	.2	.1							7.4	4.7
NW	.9	3.7	2.7	.9	.4	.4						9.0	8.3
NNW	1.0	3.4	3.8	2.4	.6	.4						11.7	8.8
VARIABLE													
CALM	//////////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.1	//////
TOTALS	21.6	38.4	19.9	10.6	2.4	.5						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 935

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.1	2.4	.4	.2							5.9	7.4
NNE	.3	.4	.3	.1								1.2	6.3
NE	.2	.8	.1									1.1	4.5
ENE	.1	.3		.1								.6	5.8
E	.7	.6	.7	.3								2.2	6.6
ESE	.4	.6			.1							1.1	5.0
SE	.2	.8	.6	.2	.1							1.9	7.3
SSE	.7	2.4	3.1	2.8	.6							9.6	9.1
S	2.6	3.9	2.6	2.1	.2							11.3	6.9
SSW	1.0	.2	.2		.1							1.6	4.1
SW	2.2	.3	.3									2.9	3.0
WSW	3.6	1.3	.4	.1								5.4	3.5
W	5.6	4.1	.6									10.2	3.5
WNW	3.7	2.8	.6	.2								7.2	3.8
NW	1.1	3.4	2.2	1.5	.7	.4	.1					9.0	8.7
NNW	.9	2.6	3.4	2.9	1.4	.4	.1					11.8	10.5
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.1	2.0	1.6	.4							7.0	8.7
NNE	1.1	.3	.4	.1								2.0	4.4
NE	.1	.4	.6									1.1	6.2
ENE		.1	.2									.3	6.7
E	.3	.9	1.1									2.3	6.3
ESE	.1	.6	.2	.2								1.1	6.7
SE	.3	.9	1.2	.2								2.7	7.0
SSE	1.3	1.2	2.1	1.9	.9							7.3	9.2
S	2.2	3.1	5.2	2.1	.2							12.7	7.7
SSW	1.8	.7	.4									2.9	3.7
SW	1.3	1.2	.1	.1	.1							2.9	4.4
WSW	2.1	1.2	.3	.2								3.9	4.0
W	5.8	2.1	.3	.1	.1							8.4	3.2
WNW	3.3	1.4	.9	.4								6.1	4.6
NW	1.7	1.6	1.8	2.4	.2	.6						7.9	9.6
NNW	.8	2.6	4.4	3.7	1.2	.6	.2					13.4	10.8
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726620 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	2.8	4.4	3.7	.4	.5						13.7	9.0
NNE	1.3	1.0	.8	.2								3.3	5.0
NE	.9	1.3	.3	.3								2.9	5.5
ENE	1.1	1.1	.4									2.7	4.0
E	1.3	.9	.6	.1								2.6	5.0
ESE	.8	1.3	1.2	.2								3.6	6.7
SE	1.2	1.8	2.6	1.4	.1							7.3	7.6
SSE	.8	2.3	4.7	5.3	.3	.3						13.8	10.1
S	.9	2.3	2.9	3.6	1.0	.4	.1					11.2	10.5
SSW	.9	.7	.4	.2	.2							2.1	6.8
SW	.9	.3	.7	.3								2.2	6.2
WSW	.4	.4	.3	.4	.1							1.8	7.8
W	.6	.3	.6	.2	.2							1.9	8.0
WNW		.3	.4	.6	.2							1.6	10.9
NW	.1	.7	.7	2.6	1.8	1.0						6.8	15.2
NNW	.6	1.6	2.9	5.7	2.9	1.7	.3					15.2	13.8
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	3.1	5.7	4.0	1.9	.4		.1	.1			15.7	11.0
NNE	1.4	1.3	2.1	.4								5.3	6.1
NE	2.1	1.7	1.3	.1								5.2	4.8
ENE	1.1	1.2	.7	.1								3.1	4.8
E	.6	1.8	1.0	.1								3.4	5.8
ESE	.9	1.1	2.2	.3								4.6	6.9
SE	.6	1.2	3.0	2.3	.2							7.3	9.4
SSE	.4	1.4	3.9	7.2	1.8	.6						15.3	12.1
S	.2	1.1	1.4	4.3	1.6	.7						9.0	12.9
SSW	.3	.2	.3	.6								1.4	8.2
SW	.2	.2	.2	.4	.1	.1						1.3	10.9
WSW	.2	.3	.3	.7								1.6	8.9
W	.1	.3	.3									.8	6.1
WNW	.2	.2	.2	.7	.2							1.2	9.8
NW	.2	.6	.7	1.7	1.7	.8						5.2	15.1
NNW	.7	1.4	3.9	5.4	3.6	1.7	.7	.1	.1	.1		17.8	14.5
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	2.9	5.0	6.3	1.0	.1	.1					16.0	10.3
NNE	.3	2.9	1.7	1.1								6.0	7.1
NE	.3	2.2	1.3	.1								4.0	5.9
ENE	.4	1.3	1.3	.4	.1							3.7	7.5
E	.9	2.6	2.2	.3	.1							6.2	6.6
ESE	.6	1.7	1.2	.8	.1							4.3	7.4
SE	.9	2.1	4.0	3.4								10.3	8.8
SSE	.6	1.4	3.1	5.1	1.0							11.2	10.8
S	.4	1.3	1.4	4.2	.7	.1						7.9	11.9
SSW	.2	1.2	.3	.7	.1							2.0	7.1
SW	.2	.7	.3	.7	.2	.1						1.9	10.9
WSW		.3	.7	.9			.1					1.6	11.3
W		.2	.2	.5	.1	.2						1.1	15.3
WNW				.4	.1	.1						.7	16.7
NW	.1	.4	.2	1.3	1.1	.4	.1					3.9	14.8
NNW	.2	1.7	3.3	7.1	2.9	2.1	.6					17.4	14.4
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726626 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	3.6	5.1	3.0	.6	.4						13.8	9.0
NNE	.9	1.2	2.3	.4								4.9	6.6
NE	.2	1.4	1.3	.3								3.3	6.6
ENE	1.1	3.1	2.0	.2								6.4	5.9
E	.9	2.3	1.3	1.0								5.6	6.8
ESE	.3	1.1	3.6	1.9								6.9	8.9
SE	.6	2.2	3.4	1.3	.3							7.9	9.1
SSE	.6	2.6	3.6	1.7	.1							8.4	7.9
S	1.4	2.2	1.4	.3								5.4	5.7
SSW	.6	.6		.2								1.3	5.1
SW	.7	.7	.6	.2								1.3	7.7
WSW	.8	.7	.1	.1	.1							1.8	5.4
W	1.0	1.1	.2									2.3	4.0
WNW	.8	1.1	.6		.3							2.9	6.2
NW	.7	1.2	1.6	1.7	.4	.1						5.3	9.8
NNW	.8	2.0	4.2	3.3	1.3	.4	.1					12.1	11.4
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	2.4	2.1	1.3	.3							7.3	7.7
NNE	.4	1.2	1.1	.2								3.0	6.7
NE		.2	1.1									1.3	7.7
ENE	.2	.4	.1	.1								.9	5.3
E	.1	.7	.8			.1						1.7	7.4
ESE	.3	.6	.9	.3	.1							2.2	8.0
SE	.7	.9	.9	.4	.1							3.0	7.1
SSE	1.1	3.6	4.3	1.0								10.0	7.1
S	2.3	5.2	3.2	1.7	.1							12.6	6.4
SSW	.7	1.8	.4	.3	.1							3.3	6.1
SW	1.4	1.4	.7	.2								3.8	4.7
WSW	2.7	.7	.3									3.7	3.1
W	3.9	1.9	.2	.1								6.1	3.2
WNW	2.1	2.6	.4									5.1	3.9
NW	1.0	5.0	2.6	1.7	.6	.1	.2					11.1	8.1
NNW	.9	3.4	3.6	3.6	1.1			.1				12.7	9.7
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	2.6	3.6	2.7	.6	.2	.0	.0	.0			10.7	9.2
NNE	.8	1.2	1.2	.7								3.4	6.2
NE	.6	1.1	.8	.1								2.9	5.6
ENE	.5	1.0	.6	.1	.0							2.3	5.8
E	.6	1.2	1.0	.3	.0	.0						3.2	6.4
ESE	.4	.9	1.2	.5	.1							3.0	7.5
SE	.7	1.5	2.0	1.2	.1							5.5	8.1
SSE	.8	2.2	3.7	3.4	.6	.1						11.0	9.6
S	1.4	2.9	2.6	2.6	.5	.1	.0					10.2	8.6
SSW	.8	.8	.3	.2	.1							2.2	5.5
SW	1.0	.7	.4	.3	.1	.0						2.5	5.7
WSW	1.0	.7	.4	.3	.0		.1					3.0	4.9
W	2.6	1.6	.3	.1	.1	.0						4.7	4.0
WNW	1.7	1.5	.5	.7	.1	.0						4.8	5.2
NW	.5	2.1	1.5	1.6	.9	.5	.1					7.3	10.5
NNW	.7	2.7	3.7	4.2	1.9	.9	.2	.0	.0	.0		17.9	12.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	10.5	//////
TOTALS	19.7	29.7	33.9	29.2	6.1	1.4	.3	.0	.0	.0		100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 7300

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	1.4	2.2	2.5	.4							7.1	9.5
NNE	.1		.4									.5	7.4
NE	.1											.1	3.0
ENE	.1											.1	3.0
E		.2	.2									.4	6.5
ESE	.3	.1	.2									.6	4.5
SE	1.1	.4	.5	.1								2.2	4.7
SSE	.8	2.3	2.2	2.0	.4							7.6	8.9
S	2.2	4.4	1.6	1.9	.4							10.5	7.0
SSW	1.1	.8	.4									2.3	4.3
SW	1.4	1.5	.3	.1								3.3	4.2
WSW	2.8	1.2	.3									4.3	3.6
W	6.2	4.5	.4		.1							11.3	3.5
WNW	3.8	2.5	.6	.2	.1	.2						7.4	4.7
NW	1.6	2.4	3.4	1.7	.8	1.2	.2	.2				11.2	10.6
NNW	1.2	1.1	3.3	6.2	1.3	.4						13.5	11.4
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	17.4	//////
TOTALS	23.2	27.7	16.2	14.9	3.5	1.6	.2	.2				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 933

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	1.8	2.7	1.8	.6							8.0	8.9
NNE	.1	.4	.2									.8	6.1
NE		.2	.2									.4	6.5
ENE	.2	.2	.1									.5	4.4
E		.4	.1									.5	5.8
ESE	.2	.1	.1									.4	4.8
SE	.4	.6	1.3	.3								2.6	7.0
SSE	.5	1.2	1.8	1.2	.1							4.8	8.3
S	1.4	3.5	2.4	1.9	.5							9.8	7.9
SSW	.6	1.3	.3									2.4	4.3
SW	.9	.8										1.6	3.2
WSW	2.6	.6	.2	.2								3.7	3.4
W	6.2	4.1	1.0									11.3	3.5
WNW	4.1	3.1	1.9	.2		.3						9.2	5.1
NW	2.7	3.2	3.0	2.9	1.0	.6	.5	.1				12.9	10.3
NNW	.9	2.4	2.8	5.4	1.5	.6	.1					13.7	11.6
VARIABLE													
CALM	//////////											17.4	//////
TOTALS	21.9	27.7	17.7	17.4	5.9	1.5	.6	.1				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 951

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-96
MONTH: OCT HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	1.4	2.4	2.3	1.1	.2	.1					8.4	10.2
NNE	.7	.2	.6	.1								1.3	6.7
NE	.1		.2									.3	6.0
ENE	.2	.1	.1									.4	4.8
E	.1	.3										.4	4.0
ESE	.2	.2										.4	4.0
SE	.2	.4	.4	.2								1.3	6.6
SSE	.9	1.6	1.8	1.5								5.8	7.6
S	1.9	2.8	3.1	2.4	.4	.1						10.9	8.3
SSW	1.5	.2	.4	.1								2.3	4.0
SW	1.5	1.3										2.9	7.1
WSW	3.3	.6										4.0	2.6
W	4.9	4.6	1.4				.1					11.1	4.2
WNW	1.2	1.9	1.0		.1			.1				6.3	4.6
NW	2.2	2.2	2.9	2.9	.5	1.9	.2	.1				12.5	10.8
NNW	1.3	3.2	3.9	4.1	1.9	2.2	.2					16.6	11.9
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	2.3	5.2	5.6	.8	.5	.1					15.7	10.4
NNE	.9	1.4	1.1	.1								3.3	5.4
NE	.5	.2	.1									1.0	3.3
ENE	.3	.4	.2	.2								1.2	6.5
E	1.2	.2	.1									1.5	2.9
ESE	.5	.5	.2									1.3	4.4
SE	1.7	1.1	1.1	.3	.1	.1						4.4	6.0
SSE	1.1	1.5	2.8	3.4	.9							9.7	10.0
S	2.2	3.5	2.7	3.2	1.4	.9						13.5	10.2
SSW	1.0	.9	.5	.1		.2						2.7	6.2
SW	.5	.2			.1							1.2	4.3
WSW	1.1	.8			.1							1.9	3.9
W	.5	.6	.6	.2								2.4	5.4
WNW	.7	.5	.2	.9	.2		.3					2.5	12.2
NW	.7	.9	1.9	3.2	1.7	1.8	.2					10.2	15.1
NNW	.9	2.7	3.5	6.7	3.9	2.8	.8	.2				20.5	14.6
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	3.2	6.9	7.7	1.6	.2	.1	.1				22.0	10.5
NNE	.8	1.2	.3	.2								2.5	5.4
NE	.5	1.0	.4									1.9	4.7
ENE	.5	.8	.1									1.4	3.8
E	1.0	1.1	.2									2.3	3.9
ESE	1.5	1.4	1.0	.1								4.0	5.1
SE	.5	1.3	2.7	1.1	.3							5.9	8.5
SSE	.6	2.5	2.9	4.0	1.9	.7						12.3	11.2
S	1.2	1.9	1.0	2.2	1.9	.8						8.9	11.6
SSW		.1	.2	.4	.1							.9	11.6
SW	.2		.4	.5	.1							1.3	10.8
WSW	.3	.3	.1	.5	.1							1.4	9.1
W	.5	.2		.8								1.5	8.0
WNW	.1	.3	.4	.5	.1	.3						1.8	12.2
NW	.1	.5	.8	1.8	1.6	1.9	1.0	.1				7.8	18.7
NNW	.8	1.7	4.1	6.9	4.4	2.4	1.5	.2				21.4	15.6
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.7	//////
TOTALS	10.5	17.1	21.5	26.4	12.3	5.9	2.8	.4				100.0	11.3

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: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	3.7	6.3	7.8	2.3	.1						21.5	10.4
NNE	1.2	1.6	1.1	.7	.1							4.3	6.2
NE	.9	1.0	.5	.2								2.6	5.8
ENE	1.1	.4	.2									1.7	3.6
E	1.7	.9	.4	.1								2.7	4.6
ESE	.9	1.4	.9	.3								3.4	5.9
SE	.6	2.8	3.1	1.8	.1							8.5	7.9
SSE	1.2	2.7	2.7	3.1	.6	.2						10.5	9.3
S	1.9	1.6	1.2	1.9	1.0	.1						7.3	9.2
SSW	.4	.5	.4	.2	.1							1.7	6.8
SW	.2	.5	.3	.1	.1							1.3	7.4
WSW	.2		.2									.5	4.6
W	.2	.6	.9	.2		.1						2.0	7.7
WNW	.3	.4	.4	1.3	.3							2.8	11.2
NW	.1	1.0	1.4	1.6	1.0	1.7	.5	.1				7.0	15.4
NNW	.5	1.4	3.1	5.7	3.2	1.5	.4					15.9	14.2
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.1	//////
TOTALS	17.0	29.5	33.2	34.8	9.9	3.3	1.0	.1				100.0	9.4

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: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56 OR	TOTAL %	MEAN WIND
N	1.5	1.5	3.3	1.7	.4	.1						8.6	8.5
NNE	.8	.9	.4	.2								2.3	5.3
NE	.3	.5	.6									1.5	6.1
ENE	.3	.5										.9	4.3
E	.6	.6	.3	.1								1.7	4.6
ESE	.3	.6	1.0	.5								2.5	7.7
SE	1.2	1.9	1.6	.8								5.5	6.3
SSE	1.2	3.9	1.8	1.1	.1							7.2	6.8
S	2.7	4.3	1.9	.8								9.2	5.9
SSW	.8	1.7	.9	.1								2.6	5.2
SW	1.2	.9	.1	.1								2.2	3.8
WSW	1.4	.5	.1	.1								2.4	3.4
W	3.7	2.7	.2	.1								6.7	3.6
WNW	1.4	2.5	.6	.3	.2							5.3	5.7
NW	.5	3.1	3.5	2.3	.6	1.1						11.5	10.3
NNW	1.5	4.1	4.4	2.6	1.2	.5	.5	.1				14.4	10.9
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.4	2.7	2.1	.3	.1						7.0	9.7
NNE	.7	.5	.3	.1								1.3	5.9
NE			.1	.1								.2	11.0
ENE	.2		.1									.3	3.7
E		.1	.2									.3	8.0
ESE		.2	.2									.5	6.8
SE	.8	.9	.4	.1								2.2	5.3
SSE	.6	2.9	2.6	1.9	.1							8.2	7.8
S	2.2	4.4	3.0	1.1	.3	.1						11.1	6.6
SSW	1.9	2.8	.2									4.8	4.1
SW	2.0	1.1	.3	.1								3.5	3.5
WSW	3.0	.8	.1									3.9	2.7
W	4.5	2.5	.1	.2								7.3	3.6
WNW	3.8	2.2	.5	.5	.1							7.1	4.7
NW	1.7	4.2	2.4	1.5	.3	.2	.4	.2				11.3	9.6
NNW	1.1	2.8	3.7	4.8	1.1	1.2	.1					14.7	10.9
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	2.1	4.0	3.9	.9	.2	.1	.0				12.3	10.0
NNE	.5	.9	.6	.1	.0							2.0	5.9
NE	.3	.4	.3	.0								1.0	5.4
ENE	.4	.2	.1	.0								.8	4.9
E	.5	.5	.2	.0								1.2	4.4
ESE	.5	.6	.4	.1								1.7	5.7
SE	.9	1.2	1.4	.6	.1	.2						4.1	7.0
SSE	.9	2.2	2.3	2.2	.5	.1						8.2	9.0
S	1.8	3.2	2.1	1.9	.8	.2						10.1	8.3
SSW	.9	1.2	.4	.1	.0	.1						2.6	5.1
SW	1.2	.8	.2	.1	.1							2.2	4.6
WSW	1.3	.6	.1	.1	.0							2.0	3.6
W	3.4	2.5	.6	.2	.2	.2	.2					6.7	4.2
WNW	2.2	1.7	.7	.5	.1	.1	.2	.2				5.3	6.1
NW	1.1	2.2	2.4	2.2	.9	1.2	.5	.1				10.6	12.1
NNW	.4	2.1	7.4	5.2	2.2	1.4	.5	.1				15.3	12.8
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.4	//////
TOTALS	19.2	22.1	15.3	12.6	5.8	2.2	1.2	.2				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 7446

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0300-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.2	1.9	2.8	.7	.2						8.9	9.3
NNE	.9	.8	.5	.3								2.1	7.3
NE	.2	.8	.7									1.3	5.8
ENE	.2	.4	.2									.9	5.1
E	.7	.7	.1									1.4	3.7
ESE	.3	.4	.3									1.1	5.3
SE	.9	.8	.6	.1	.1							2.2	6.9
SSE	1.9	1.7	2.3	.9	.1							6.0	6.7
S	2.1	2.2	1.2	.3	.3	.1						6.3	6.0
SSW	1.2	.7	.1									2.0	3.5
SW	1.1	1.1										2.2	3.7
WSW	2.4	1.9	.2	.1								4.7	3.7
W	5.3	4.7	1.4	.1								11.4	3.8
WNW	3.9	2.4	1.1									7.6	4.0
NW	1.1	2.2	2.8	1.9	1.1	.4	.6	.2				11.1	11.1
NNW	.9	1.1	3.4	7.1	2.7	1.4	.1	.1				13.9	13.6
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	16.8	//////
TOTALS	39.7	31.7	17.2	5.6	4.7	2.3	.7	.7				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 428

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726627 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	2.7	2.7	3.4	.6	.7						10.4	9.7
NNE	.2	.2	.3	.7								1.1	7.4
NE	.1	.8	.2									1.1	5.3
ENE	.3	.3	.3									1.0	5.1
E	.2	.4	.7									1.3	6.4
ESE	.2	.3	.6									1.1	6.9
SE	.2	.6	.4	.2	.1							1.6	7.4
SSE	.5	.9	1.2	.8								3.0	7.0
S	.8	1.9	1.5	.6	.2	.3						5.8	8.0
SSW	1.4	.9	.2	.1								2.7	4.9
SW	1.6	.5	.1									2.2	3.3
WSW	2.3	1.7	.1									4.1	7.2
W	5.9	4.7	.6									10.9	8.3
WNW	3.7	3.2	.8	.2	.6	.1						8.6	9.3
NW	1.7	3.2	2.4	2.9	1.0	.3	.6	.1				12.2	10.3
NNW	.9	2.6	4.1	3.7	1.4	2.3	.3					15.3	10.3
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (TO)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	2.4	3.1	2.9	1.0	.1						10.4	9.6
NNE	.7	.9	.6	.3								2.4	6.3
NE	.3	.1	.3									.8	4.6
ENE	.6	.2	.1									.9	4.0
E		.2										.2	5.0
ESE	.4	.6	.3									1.3	4.9
SE	.9	1.0	.8	.1								2.8	5.0
SSE	2.1	4.2	.7	1.1	.1	.2						8.4	7.8
S	1.2	1.2	1.0	.4	.1	.2						4.2	7.6
SSW	.8	.1										.9	2.0
SW	1.2	.4		.1	.1							1.8	4.2
WSW	2.2	1.1	.2	.3								3.8	4.1
W	7.8	4.6	.4									12.8	3.1
WNW	4.2	2.1	1.1	.6	.1							7.2	4.7
NW	2.8	2.2	2.2	1.6	.7	1.2	.2					11.8	10.4
NNW	1.1	3.1	3.2	2.2	2.1	.8	.4					14.2	11.6
VARIABLE													
CALM	//////////											19.1	//////
TOTALS	35.4	32.2	14.7	10.3	4.2	2.0	1.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 830

...AL CLIMATOLOGY BRANCH
...AFB,SD
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726620 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.3	2.9	2.9	3.9	1.3	.2						13.4	9.5
NNE	.3	1.2	.4	.2								1.9	5.1
NE	1.2	.8										1.8	3.4
ENE	.3	.1	.1	.1								1.1	4.3
E	.7	1.2	.1									1.4	4.3
ESE	.7	.7	.4									1.1	5.1
SE	.4	.9	1.7	.2								3.3	6.2
SSE	1.8	1.7	1.4	2.1								7.0	7.5
S	1.8	.1	2.7	1.4	.7		.1					8.9	8.3
SSW	.4	1.2		.1								1.7	5.2
SW	1.1	1.4	.4									2.9	4.0
WSW	1.2	1.4		.1								2.7	3.6
W	1.7	1.4	.2	.1								3.3	4.1
WNW	1.7	.7	.4	.4	.7							3.7	6.8
NW	1.1	1.7	1.7	4.7	2.4	1.2	.2	.1				17.6	14.2
NNW	1.1	1.4	2.4	5.4	2.1	1.7	.7	.1				15.1	13.5
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (TENS OF DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	4.0	4.9	5.9	1.4	.7						17.9	10.1
NNE	1.7	1.3	.6	.1								3.7	4.7
NE	.7	1.0	.4									2.1	4.7
ENE	1.1	.8	.4									2.3	4.0
E	.7	1.7	.2									2.6	4.2
ESE	.7	.9	.4	.1								2.1	5.5
SE	1.7	2.6	2.3	2.2	.2							9.0	7.6
SSE	1.7	2.7	3.2	2.4	.3							9.9	8.1
S	1.1	2.4	3.6	1.4	.7	.3						9.2	8.6
SSW	.7	.4	.1	.3								1.2	7.1
SW	.7	.2	.1									1.0	3.6
WSW	.1	.1		.2								.4	8.0
W	.1	.2										.3	3.0
WNW	.1		.1	.7	.3							1.2	12.1
NW	.7	.6	.8	4.2	2.2	.7	1.1	.1				10.3	16.5
NNW	.2	1.2	1.7	7.1	4.1	1.4	.9					19.8	14.3
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	3.1	4.2	3.3	2.2	.1						14.4	10.0
NNE	1.1	1.3	<.1	.2								4.8	6.1
NE	1.1	.7	.2	.3								2.3	5.2
ENE	1.0	.8	.2									2.2	4.1
E	1.7	1.4	.3									3.4	4.2
ESE	1.5	2.0	.7	.1								4.3	4.5
SE	2.0	2.1	2.3	.4								6.9	5.9
SSE	1.4	2.8	4.2	1.1	.2	.1						9.9	7.4
S	1.0	2.0	1.6	.8	.1							5.4	6.9
SSW	.2	.4	.3									1.0	4.7
SW	1.0	.4	.1									1.6	3.5
WSW	.7		.3									1.0	4.2
W	1.4	.7	.2	.4	.1							2.7	5.8
WNW	.7	.7	.2	.6	.7							3.1	8.4
NW	.4	1.3	1.6	3.4	2.2	.3	.4	.3				10.1	14.4
NNW	.9	1.8	3.3	5.4	2.9	1.4	.6					16.9	13.6
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	1.6	2.2	2.1	.7	.3						8.3	9.5
NNE	.3	1.0	.7									2.0	5.6
NE	.1	.4	.9	.2								1.7	7.4
ENE	.2	.4	.6									1.2	5.5
E	.9	.9	.2									2.0	4.0
ESE	1.3	.7	.4									2.4	4.3
SE	1.2	1.2	.7	.1								3.2	4.9
SSE	.8	3.0	2.6	.2	.1							6.7	6.5
S	1.3	3.1	2.1	.1		.7						7.3	6.0
SSW	2.3	.6	.1									3.0	2.6
SW	1.0	.8	.1									1.9	3.6
WSW	1.4	.7	.3	.2								2.7	4.2
W	4.1	2.8	.6	.3	.3							8.1	4.4
WNW	3.2	2.8	.1	.4	.1							6.4	4.1
NW	2.4	3.1	1.7	1.1	.7	.7	.6	.1	.3			9.7	11.1
NNW	.7	2.4	2.1	5.3	2.6	1.9	.6	.1				15.7	14.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.7	//////
TOTALS	23.3	28.2	19.3	17.2	6.4	3.1	1.1	.2	.3			100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	1.2	1.8	2.0	.6	.1						6.1	10.4
NNE	.7	.7	.3	.6								2.2	6.9
NE	.3	.3	.6	.2								1.4	6.9
ENE	.2	.4	.2									.9	4.9
E	.9	.2	.2									1.3	3.6
ESE	.1	.4	.4	.1								1.1	6.7
SE	.6	1.8	.9	.1								3.3	6.0
SSE	1.6	2.3	3.1	.7	.1							7.9	6.4
S	1.6	3.0	2.2	.2	.2							7.2	6.2
SSW	1.9	.6	.1									2.1	3.0
SW	1.9	.8										2.7	2.9
WSW	1.9	2.1	.6									4.6	3.9
W	5.7	4.7	.3	.1								10.8	3.7
WNW	3.3	1.9	1.0	.3								6.4	4.4
NW	2.9	1.9	2.0	1.7	.1	1.3	.7	.1	.2			9.7	11.4
NNW	1.2	3.4	2.8	4.3	2.9	2.1	.3					17.1	10.8
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	2.4	3.0	3.3	1.0	.2						11.2	9.8
NNE	.6	.9	.7	.2								2.5	6.3
NE	.5	.5	.4	.1								1.6	5.3
ENE	.6	.4	.3	.0								1.3	4.5
E	.6	.9	.2									1.7	4.3
ESE	.6	.7	.5	.0								1.8	5.0
SE	.2	1.4	1.2	.4	.1							4.0	6.5
SSE	1.3	2.2	2.3	1.1	.1	.2						6.9	7.2
S	1.4	2.3	2.0	.7	.2	.2	.2					6.8	7.2
SSW	1.2	.6	.3	.1								2.1	3.5
SW	1.2	.7	.1	.0	.0							2.1	3.6
WSW	1.6	1.1	.2	.1								3.1	3.9
W	4.1	2.6	.5	.1	.1							7.6	3.7
WNW	2.6	1.6	.6	.4	.2	.3						5.4	5.1
NW	1.5	2.3	1.9	2.5	1.3	.3	.6	.1	.1			11.1	12.4
NNW	.9	2.4	3.1	4.7	2.6	1.2	.5	.2				15.9	12.3
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.7	2.7	4.5	1.2	.3	.1	.2				11.2	12.1
NNE		.7	.5	.2								1.4	8.8
NE	.2	.6	.3									1.2	5.1
ENE	.2	.3	.2									.8	4.7
E	.6	1.0	.3									1.9	4.7
ESE	.2	.5	.2									1.2	4.8
SE	.6	.5	.5	.8								2.8	7.2
SSE	1.1	1.0	1.7	.4	.2							4.0	7.1
S	1.7	2.7	1.3	.5	.2							6.5	6.1
SSW	.8	.8	.2									1.7	4.1
SW	1.8	.9	.2									2.9	3.3
WSW	1.7	2.1	.2									4.2	3.8
W	5.6	5.4	1.0									11.1	3.9
WNW	3.2	2.4	.5	.4	.2	.3						7.1	5.6
NW	1.7	2.1	1.5	1.4	1.2	2.0	.9	.3				11.8	14.0
NNW	1.4	2.7	2.5	2.5	2.2	1.1	.4	.3				15.2	12.3
VARIABLE													
CALM	//////////											14.3	//////
TOTALS	31.4	35.6	19.9	11.5	5.9	3.9	1.4	.5				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.7	2.2	4.1	2.0	.2	.2					10.9	12.2
NNE	.4	.5	.5	.4								1.9	6.8
NE	.5	.3										.9	3.3
ENE	.3	.2	.1									.6	4.0
E	.4	.5		.1								1.1	4.7
ESE	.5	1.0	.2									1.7	4.3
SE	.5	.4	.4	.2								1.7	5.5
SSE	.5	1.2	1.3	.7	.1							3.4	7.4
S	1.2	1.5	2.2	.4	.2							5.5	6.6
SSW	1.2	.5	.1									1.8	3.3
SW	1.2	1.3	.7	.1								2.7	4.4
WSW	1.5	2.0	.3									4.0	3.8
W	5.9	4.2	1.8									11.9	4.1
WNW	4.0	2.5	.6	.4	.4							8.0	4.9
NW	2.0	2.4	1.3	2.3	1.7	1.1	1.2					12.4	12.4
NNW	.9	2.0	3.7	3.3	2.6	2.7	1.2	.3				16.1	14.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	15.5	//////
TOTALS	21.6	22.9	15.1	11.7	7.2	3.4	2.6	.7				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 350

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.2	2.3	4.5	2.2	1.1	.1					12.9	12.5
NNE	.1	.8	.5	.1								1.5	6.4
NE	.4	.4										.9	3.1
ENE	.2	.2	.1									.5	4.4
E		.2	.1									.3	5.7
ESE	.4	.4	.3									1.2	4.3
SE	.4	.6	.6	.2								1.9	5.9
SSE	.8	.5	.9	.3	.1	.1						2.7	7.6
S	1.7	1.5	1.4	.8		.1						4.7	6.3
SSW	1.2	.8	.3									2.3	3.8
SW	1.2	1.5	.1									2.8	3.9
WSW	2.5	1.5	.4									4.4	7.8
W	6.9	3.4	.3									10.6	3.2
WNW	4.2	2.6	1.0	1.7	.2							9.4	5.4
NW	2.5	2.5	1.7	1.2	1.2	1.5	.7	.1				11.3	10.8
NNW	1.2	2.4	2.7	7.7	2.4	1.4	1.0	.7				19.5	14.4
VARIABLE													
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	1.6	2.0	5.2	2.3	1.7						13.4	12.6
NNE	.4	.4	.3	.1	.5							1.8	9.8
NE	.4	.4	.4									1.3	5.1
ENE	.1	.2	.1	.1								.5	6.6
E	.4	.3		.2								1.0	5.4
ESE	.5	.9	.5									1.9	5.7
SE	.2	1.1	.8	.2	.1	.1						2.5	8.0
SSE	1.3	1.4	1.3	.9	.1	.1	.1					5.2	7.9
S	2.0	3.1	1.8	.8	.2							8.0	6.2
SSW	1.8	1.2	.2			.1						3.3	4.1
SW	1.2	.9	.4									2.3	4.3
WSW	2.8	1.2	.6									4.6	3.6
W	3.2	1.8	.5									5.6	3.5
WNW	1.4	1.2	.9	.4	.3	.5						4.7	8.8
NW	.6	1.4	.9	1.7	1.7	1.5	1.2	.5				9.4	16.6
NNW	1.5	1.7	2.7	3.9	3.3	2.9	.9	.1				16.6	14.3
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-96
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.3	2.5	6.0	7.8	1.8	1.1	.1					21.6	11.0
NNE	1.1	1.0	1.6	.4	.3							4.4	7.6
NE	.4	.7	.3	.1								1.2	5.6
ENE	.8	.4	.2									1.4	3.5
E	.9	.6	.3									1.8	4.1
ESE	.9	.6	.4									1.9	4.4
SE	.3	1.0	1.9	1.1	.1							4.0	8.7
SSE	1.0	1.9	3.3	1.8	.3	.2	.2					8.8	9.3
S	2.9	3.4	3.7	1.3	.3	.1						11.7	6.9
SSW	.3	1.0										1.3	3.8
SW	.5	.5	.2	.1								1.4	4.9
WSW	.4	.3	.1	.4								1.3	7.3
W	1.4	.4	.3	.2								2.4	4.2
WNW	.7	.7	.5	.5	.2	.2						2.7	9.1
NW	.1	.9	1.2	1.2	2.6	2.4	.3	.9				9.5	18.8
NNW	.5	1.4	2.6	6.0	2.6	2.2	.6	.2				16.1	14.9
VARIABLE													
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.5	3.1	5.8	7.3	.6	.8	.1					19.2	10.2
NNE	.1	.5	1.3	.9	.4							3.1	10.0
NE	.1	.4	.1	.2								.9	6.9
ENE	.4	.4	.3									1.2	4.8
E	1.2	.6	.3									2.0	4.2
ESE	.4	.6	.2									1.3	4.7
SE	1.2	1.7	1.2	.9	.4							4.7	7.5
SSE	1.8	2.5	1.7	1.1	.4		.1					7.6	7.3
S	2.1	2.4	2.2	1.7	.1	.2	.2					8.6	7.5
SSW	1.1	.8	.4									2.3	3.9
SW	.9	.7	.2									1.7	3.9
WSW	.4	.9	.4	.3								2.0	6.4
W	1.6	1.2	.9	.5	.1	.1						4.4	6.3
WNW	1.0	.9	.6	.3		.1						2.9	6.4
NW	1.1	1.1	2.0	2.3	1.2	1.3	.4	.3				9.7	14.3
NNW	.5	2.3	2.7	4.2	3.0	1.1	.5	.1				14.4	13.6
VARIABLE													
CALM	//////////////

CENTRAL CLIMATOLOGY BRANCH
SCATTAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	1.1	2.6	3.3	1.0	.3						9.1	11.1
NNE	.2	.4	.8	.8								2.2	9.0
NE	.2	.5	.2									1.0	5.0
ENE	.1	.5	.2									.9	4.9
E	.4	.4	.3									1.2	4.7
ESE	.4	.2	.2	.2								1.1	6.0
SE	.9	1.0	.6	.4	.1							3.0	6.6
SSE	1.6	2.4	.4	.5	.5	.3						5.8	7.4
S	1.2	2.5	1.1	.8	.3							5.8	6.7
SSW	1.1	.3	.3									1.7	3.7
SW	1.5	.9	.2									2.6	3.4
WSW	2.7	1.9	.4									4.9	3.5
W	4.1	4.6	1.1	.1	.1	.1						10.1	4.5
WNW	3.1	1.9	1.7	.8	.1	.2						7.4	5.6
NW	1.8	2.7	1.8	2.0	1.5	.9	.2	.2				10.5	11.3
NNW	1.4	1.6	2.6	4.6	1.9	1.4	.8	.1				14.4	13.3
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	18.3	//////
TOTALS	21.6	22.7	19.2	17.1	5.6	3.2	1.0	.3				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.1	3.2	4.5	1.0	1.0	.2					11.2	12.6
NNE		.5	.5	.6								1.7	9.1
NE	.1	.2	.1									.4	4.5
ENE	.3	.2										.5	3.0
E	.2	1.0	.5									1.7	5.2
ESE		.9	.3									1.2	5.6
SE	1.0	.9	1.2	.9								3.9	7.1
SSE	1.0	1.3	.3	.9	.1	.7						4.3	8.7
S	1.1	2.9	1.4	1.1	.3	.1						6.9	7.1
SSW	.5	.6		.2								1.4	4.6
SW	1.9	1.0	.3									2.9	3.8
WSW	2.5	2.2	.2	.2								5.1	4.1
W	5.7	4.4	.9	.1								11.1	3.7
WNW	2.3	4.5	1.4	.8	.1	.1						9.1	5.5
NW	1.7	1.3	2.4	1.4	1.4	1.4	.4					10.0	12.4
NNW	1.7	3.2	2.9	4.2	2.2	1.3	.4					16.4	12.5
VARIABLE													
CALM	//////////////

...L...L CLIMATOLOGY BRANCH
...ARTAC
AIR ...EATHER SERVICE/MAC

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

STATION NUMBER: 726... STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): ALL

DIRECTION (TENS OF DEG)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
...	.9	1.9	3.3	5.2	1.5	.7	.1	.0				13.7	11.6
...	.7	.6	.8	.4	.2							2.3	6.5
...	.1	.4	.2	.0								1.0	4.9
...	.1	.1	.2	.0								.8	4.4
...	.1	.1	.2	.0								1.4	4.7
...	.1	.2	.3	.0								1.4	4.8
...	.7	.9	.9	.6	.1	.0						3.1	7.3
...	1.1	1.5	1.3	.8	.2	.1	.1					5.1	8.0
...	1.7	2.1	1.9	.8	.2	.1	.1					7.0	6.7
...	1.1	.1	.2	.0		.0						1.5	3.9
...	1.0	.9	.3	.0								2.4	3.9
...	1.8	1.1	.3	.1								3.4	4.1
...	4.1	3.1	.8	.1	.0	.0						8.5	4.0
...	3.5	2.1	.9	.4	.1	.1						7.4	6.0
...	1.1	1.7	1.6	1.7	1.6	1.1	.3	.1				11.5	13.7
...	1.1	2.1	2.9	4.0	2.5	1.1	.3	.2				15.3	13.8
VARIABLE													
CLM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.7	3.5	3.6	1.1	.4	.1	.0	.0			12.1	10.5
NNE	.5	1.3	1.0	.4	.0	.0						3.3	7.0
NE	.5	.8	.5	.1	.0	.0						1.9	5.8
ENE	.5	.8	.4	.1	.0		.0					1.8	5.6
E	.7	1.2	.8	.3	.0	.0						3.1	6.1
ESE	.5	.9	1.0	.4	.0	.0						2.8	7.1
SE	.7	1.5	1.8	1.1	.2	.0						5.4	7.9
SSE	1.0	2.1	2.7	2.5	.6	.1	.0					9.1	9.2
S	1.6	2.8	2.5	1.9	.5	.2	.0	.0				9.6	8.4
SSW	.9	.8	.3	.1	.0	.0	.0					2.2	4.5
SW	1.3	.9	.2	.1	.0	.0						2.7	4.5
WSW	1.5	.9	.3	.1	.0	.0	.0					2.9	4.2
W	2.9	2.1	.5	.2	.0	.0	.0	.0				5.7	4.2
WNW	1.7	1.5	.6	.4	.1	.1	.0	.0				4.7	5.8
NW	1.3	1.7	1.6	1.7	1.1	.3	.4	.1	.0			8.5	12.3
NNW	.7	1.9	3.2	4.4	2.4	1.4	.5	.1	.0	.0		14.7	13.5
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.7	//////
TOTALS	19.7	33.2	31.0	17.7	5.3	2.1	1.0	.2	.0	.0		100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 27641

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): 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 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	1.0	3.7	7.0	8.2	2.4	1.1	.2					23.0	11.4
	.3	2.2	3.0	1.4	.1	.2						7.6	7.9
	.7	1.6	1.6	.6								4.5	6.9
	.9	1.2	1.2	.4	.1							3.7	6.7
	.9	2.0	2.2	.9	.1							6.2	7.3
	.6	1.7	2.1	.9	.2							5.0	7.9
	.7	1.9	3.3	2.2	.3	.2						8.4	8.9
	.7	1.6	2.6	2.9	.9	.1	.2					8.9	10.2
	.6	1.2	1.1	.4	.3	.2	.1	.2				4.7	9.6
	.7	.3	.1	.2								.5	3.8
	.2		.2	.2								.2	3.3
	.2	.1	.2									.1	4.6
	.2	.1	.2	.2								.8	3.9
	.2	.2	.1	.1								.6	4.5
	.3	.4	.6	.5	.8	1.2	.7	.2	.2			4.9	18.2
	.3	1.4	3.2	5.1	2.2	2.2	1.2	.2	.2			16.6	15.4
VARIABLE													
CALM	////////////

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "ZERO" THROUGH EQUAL TO OR GREATER THAN 25,000 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 1964, 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 5 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

DISPLAYS PERCENTAGES OF SKY COVER IN EITHER TENTHS 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 YEAR SKY COVERS.

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

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	7/10
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: 726625 STATION NAME: ELLSWORTH AFB SD

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	61.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0
[illegible]	66.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0
[illegible]	66.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.8	67.8	68.1	68.1	68.1
[illegible]	66.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.5	68.5
[illegible]	67.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2	69.2
[illegible]	68.2	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.3	70.3
[illegible]	70.1	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.2	72.2	72.2
[illegible]	70.5	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6
[illegible]	73.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5	75.5
[illegible]	74.6	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.2
[illegible]	76.2	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8
[illegible]	77.4	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.2	80.2	80.2
[illegible]	77.8	80.2	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.8	80.8	80.8
[illegible]	79.7	82.3	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.9	83.0	83.0	83.0
[illegible]	81.2	83.8	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.8	83.8	83.8
[illegible]	81.9	84.6	84.2	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.9	84.9	85.2	85.2	85.2
[illegible]	84.1	84.5	84.7	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.5	85.5	85.7	85.7	85.7
[illegible]	86.7	86.1	86.6	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.5	87.5	87.5
[illegible]	87.8	87.8	87.2	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.2	88.2	88.2
[illegible]	87.8	87.3	87.7	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	86.7	88.7	88.7
[illegible]	89.7	89.4	89.8	89.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.8	89.8	89.8
[illegible]	89.4	89.0	89.5	89.7	90.5	90.5	90.8	90.8	90.8	90.9	90.9	91.1	91.1	91.3	91.3	91.3
[illegible]	90.7	90.1	90.5	90.4	91.6	91.6	91.9	91.9	91.9	91.9	91.9	92.2	92.2	92.4	92.4	92.4
[illegible]	92.1	91.6	91.6	91.7	92.7	92.9	92.9	92.9	92.9	93.0	93.0	93.2	93.2	93.4	93.4	93.4
[illegible]	92.7	91.9	92.4	92.6	93.4	93.4	93.7	93.7	93.7	93.8	93.8	94.0	94.1	94.3	94.3	94.3
[illegible]	93.1	92.3	92.7	92.9	93.8	93.8	94.0	94.1	94.1	94.2	94.2	94.4	94.5	94.7	94.7	94.7
[illegible]	93.7	93.2	93.7	93.8	94.7	94.7	94.9	95.1	95.1	95.2	95.2	95.4	95.6	95.8	95.9	95.9
[illegible]	94.8	94.0	94.5	94.7	95.6	95.6	95.8	95.9	95.9	96.0	96.0	96.3	96.6	96.9	97.0	97.0
[illegible]	94.9	94.4	94.9	95.2	96.0	96.0	96.2	96.3	96.3	96.7	96.7	97.0	97.2	97.5	97.8	97.8
[illegible]	94.9	94.4	95.2	95.4	96.7	96.7	97.0	97.2	97.2	97.6	97.6	98.1	98.4	98.7	99.0	99.0
[illegible]	94.9	94.4	95.2	95.4	96.7	96.7	97.0	97.2	97.2	97.6	97.6	98.1	98.4	98.7	99.5	100.0
[illegible]	94.9	94.4	95.2	95.4	96.7	96.7	97.0	97.2	97.2	97.6	97.6	98.1	98.4	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
21WW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 76-87
MONTH: JAN HOURS(LST): 0700-0500

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
GE CEIL	58.7	60.0	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 20000	64.3	65.6	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 18000	64.3	65.6	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 16000	64.4	65.7	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 14000	65.2	66.5	66.9	66.9	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 12000	66.4	68.4	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 11000	68.4	70.2	70.6	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	68.6	70.2	70.6	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 9000	71.1	72.7	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 8000	72.5	74.2	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 7000	74.2	75.9	76.3	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 6000	76.3	78.1	78.5	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.6
GE 5000	77.5	79.2	79.7	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	79.7	81.0	81.4	81.4	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3500	79.7	81.7	82.3	82.3	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3000	80.6	83.2	83.9	83.9	84.6	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.9	84.9	84.9	84.9
GE 2500	82.3	83.9	84.5	84.5	85.3	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.6	85.6	85.6	85.6
GE 2000	82.3	86.4	86.3	86.3	87.1	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.4	87.4	87.4	87.4
GE 1800	83.8	86.9	86.9	86.9	87.6	87.6	87.6	87.7	87.7	87.7	87.8	87.8	88.0	88.0	88.0	88.0
GE 1600	84.0	86.1	87.2	87.2	88.0	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.3
GE 1400	84.5	87.4	88.7	88.7	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9
GE 1200	85.1	88.6	89.9	89.9	90.8	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.1	91.1	91.1	91.1
GE 1000	85.5	89.1	90.4	90.4	91.3	91.3	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.6
GE 900	85.6	89.4	90.6	90.6	91.7	91.7	91.7	91.8	91.8	91.9	92.0	92.0	92.2	92.2	92.2	92.2
GE 800	86.1	89.9	91.2	91.2	92.3	92.3	92.4	92.6	92.6	92.7	92.8	92.8	93.0	93.0	93.0	93.0
GE 700	86.7	90.4	91.7	91.8	92.9	92.9	93.1	93.7	93.7	93.8	94.1	94.1	94.5	94.5	94.5	94.5
GE 600	87.6	91.6	92.9	93.0	94.1	94.1	94.3	94.8	94.8	94.9	95.3	95.3	95.7	95.7	95.9	96.0
GE 500	87.7	92.5	93.8	94.0	95.1	95.1	95.4	95.7	95.9	96.0	96.5	96.5	96.9	96.9	97.1	97.2
GE 400	87.7	92.5	93.8	94.0	95.1	95.1	95.5	96.1	96.1	96.6	97.0	97.0	97.4	97.4	97.8	98.0
GE 300	87.7	92.5	93.9	94.1	95.3	95.3	95.7	96.5	96.5	96.9	97.4	97.5	98.3	98.3	98.7	98.8
GE 200	87.7	92.5	93.9	94.1	95.3	95.3	95.7	96.5	96.5	97.0	97.5	97.6	98.5	98.5	99.2	99.8
ALL	87.7	92.5	93.9	94.1	95.3	95.3	95.7	96.5	96.5	97.0	97.5	97.6	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 76-87
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 7/16	GE 1/4	GE 0
GE CEIL	56.9	56.8	57.1	57.1	57.2	57.2	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
	61.5	62.4	62.9	62.9	63.0	63.0	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
	62.0	63.0	63.5	63.5	63.7	63.7	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0
	62.3	63.1	63.7	63.7	63.8	63.8	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1
	62.5	63.3	63.9	63.9	64.0	64.0	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
	64.7	65.3	65.8	65.8	66.0	66.0	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4
	69.7	69.2	69.8	69.8	70.0	70.0	70.2	70.3	70.4	70.5	70.6	70.6	70.8	70.8	70.8	70.8
	69.6	69.6	70.1	70.1	70.3	70.3	70.5	70.6	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1
	71.2	72.3	72.8	72.8	73.0	73.0	73.2	73.3	73.4	73.5	73.7	73.7	73.8	73.8	73.8	73.8
	73.8	73.9	74.5	74.5	74.7	74.7	74.9	75.0	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.5
	74.2	75.2	75.8	75.8	76.1	76.1	76.3	76.4	76.6	76.7	76.8	76.8	76.9	76.9	76.9	76.9
	76.9	77.2	78.2	78.2	78.6	78.6	78.8	78.8	79.0	79.0	79.1	79.2	79.4	79.4	79.4	79.4
	76.3	77.6	78.6	78.6	79.0	79.0	79.2	79.3	79.5	79.5	79.6	79.7	79.8	79.8	79.8	79.8
	79.2	80.1	81.2	81.3	81.7	81.9	81.9	82.0	82.2	82.2	82.3	82.4	82.4	82.5	82.5	82.5
	79.1	81.1	82.2	82.3	82.7	82.9	82.9	83.1	83.1	83.2	83.2	83.2	83.4	83.4	83.4	83.4
	84.8	83.2	84.3	84.5	85.1	85.3	85.3	85.5	85.5	85.6	85.7	85.7	85.8	85.8	85.8	85.8
	81.2	83.4	84.7	84.9	85.6	85.8	85.8	86.0	86.0	86.1	86.2	86.2	86.3	86.3	86.3	86.3
	81.9	84.2	85.7	86.0	86.7	86.9	86.9	87.1	87.2	87.3	87.4	87.4	87.5	87.5	87.5	87.5
	82.2	84.6	86.1	86.3	87.1	87.3	87.3	87.6	87.7	87.7	87.8	87.8	88.0	88.0	88.0	88.0
	82.8	85.6	87.2	87.5	88.2	88.4	88.4	88.7	88.8	88.9	89.0	89.0	89.2	89.2	89.2	89.2
	84.2	87.1	88.8	89.0	89.1	89.3	89.4	89.6	89.8	89.9	90.0	91.0	91.1	91.1	91.1	91.1
	84.8	87.8	89.7	90.0	91.0	91.2	91.3	91.4	91.6	91.7	91.8	91.8	91.9	91.9	91.9	91.9
	85.1	88.1	89.9	90.4	91.2	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.2	92.3	92.3	92.3
	85.2	88.3	90.1	90.6	91.5	91.7	91.9	92.0	92.1	92.2	92.3	92.4	92.6	92.7	92.9	93.0
	85.4	88.7	90.5	91.0	91.8	92.0	92.3	92.5	92.7	93.1	93.2	93.3	93.5	93.7	93.9	94.1
	85.6	89.1	91.0	91.3	92.0	92.2	92.6	93.1	93.4	93.8	93.9	94.0	94.2	94.4	94.6	94.8
	86.7	89.4	91.6	92.0	92.8	93.0	93.3	93.7	94.1	94.5	94.6	94.8	94.9	95.1	95.3	95.6
	86.9	89.9	92.0	92.4	93.2	93.4	93.8	94.2	94.6	94.9	95.0	95.2	95.3	95.6	95.8	96.0
	87.2	90.2	92.3	92.7	93.5	93.7	94.1	94.5	94.9	95.2	95.3	95.5	95.7	96.0	96.2	96.4
	87.4	90.4	92.5	92.9	93.7	93.9	94.3	94.7	95.1	95.4	95.5	95.7	95.9	96.2	96.4	96.6
	87.5	90.4	92.5	92.9	93.7	94.0	94.4	94.8	95.2	95.5	95.6	95.8	96.0	96.3	96.5	96.7
	87.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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
GE CEIL	53.9	53.0	53.5	53.5	54.0	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE [illegible]	61.5	61.8	62.4	62.5	62.9	63.0	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 1[illegible]	61.7	62.0	62.6	62.7	63.1	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 1[illegible]	61.8	62.2	62.7	62.8	63.2	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 14[illegible]	63.2	63.5	64.1	64.2	64.6	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 12[illegible]	66.1	66.5	67.0	67.1	67.5	67.6	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 1 [illegible]	70.5	70.9	71.4	71.5	71.9	72.0	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE [illegible]	71.2	71.6	72.2	72.3	72.7	72.8	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE [illegible]	74.7	75.2	75.7	75.8	76.2	76.5	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 7[illegible]	76.2	76.8	77.4	77.5	78.1	78.2	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 6[illegible]	77.1	78.0	78.6	78.7	79.2	79.4	79.7	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2
GE [illegible]	78.1	78.9	79.6	79.7	80.2	80.3	80.6	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2
GE 4[illegible]	79.4	79.2	79.9	80.0	80.5	80.6	81.0	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5
GE [illegible]	79.9	81.0	81.6	81.7	82.3	82.4	82.8	83.3	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7
GE [illegible]	82.8	83.6	82.6	82.9	83.4	83.5	84.0	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8
GE [illegible]	81.4	82.8	83.4	84.3	85.1	85.2	85.9	86.5	86.7	86.7	86.9	86.9	87.0	87.0	87.0	87.0
GE [illegible]	81.5	82.9	83.9	84.5	85.3	85.4	86.1	86.7	86.9	87.0	87.1	87.1	87.3	87.3	87.4	87.4
GE [illegible]	82.4	84.0	85.1	85.7	86.7	86.8	87.5	88.3	88.5	88.6	88.7	88.7	88.9	88.9	89.0	89.0
GE [illegible]	82.5	84.1	85.2	86.0	87.1	87.2	88.0	88.7	88.9	89.0	89.1	89.1	89.4	89.4	89.5	89.5
GE [illegible]	82.8	84.6	85.7	86.6	87.7	88.0	88.8	89.6	89.8	90.0	90.1	90.1	90.3	90.3	90.4	90.4
GE [illegible]	83.7	85.3	86.6	87.3	88.6	88.7	89.8	90.9	91.1	91.4	91.5	91.5	91.7	91.7	91.8	91.8
GE [illegible]	83.7	85.7	87.2	88.0	89.1	89.4	90.6	91.8	92.0	92.6	92.7	92.7	92.9	92.9	93.0	93.0
GE [illegible]	83.7	85.7	87.2	88.0	89.1	89.4	90.6	91.8	92.0	92.6	92.9	92.6	93.0	93.0	93.1	93.1
GE [illegible]	83.7	85.7	87.2	88.0	89.4	89.6	91.0	92.3	92.7	93.2	93.5	93.5	93.9	93.8	93.9	94.2
GE [illegible]	83.7	85.7	87.1	88.1	89.6	89.8	91.3	92.6	93.0	93.5	93.9	93.9	94.1	94.1	94.2	94.6
GE [illegible]	84.0	86.1	87.6	88.6	90.1	90.3	92.2	93.4	93.9	94.5	94.9	94.8	95.1	95.1	95.2	95.6
GE [illegible]	84.0	86.1	87.7	88.8	90.3	90.6	92.6	93.8	94.4	95.1	95.7	95.7	95.9	95.9	96.0	96.5
GE [illegible]	84.1	86.3	88.0	89.1	90.8	91.1	93.1	94.5	94.9	95.7	96.3	96.3	96.7	96.7	96.9	97.2
GE [illegible]	84.1	86.3	88.1	89.2	90.9	91.2	93.3	94.9	95.3	96.6	97.2	97.2	97.6	97.6	97.7	98.3
GE [illegible]	84.1	86.3	88.2	89.2	91.0	91.3	93.4	94.9	95.3	96.9	97.5	97.5	98.3	98.3	98.6	99.4
GE [illegible]	84.1	86.3	88.2	89.2	91.0	91.3	93.4	94.9	95.3	96.9	97.5	97.5	98.3	98.3	98.6	99.6
[illegible]	84.1	86.3	88.2	89.2	91.0	91.3	93.4	94.9	95.3	96.9	97.5	97.5	98.3	98.3	98.6	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: 726625 STATION NAME: ELLSWORTH AFB SD

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 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	55.4	56.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE [illegible]	62.9	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 1[illegible]	63.2	63.7	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 1[illegible]	63.4	63.9	64.2	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 1[illegible]	64.6	65.3	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8
GE 1[illegible]	67.3	68.0	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6
GE 1[illegible]	71.6	72.3	72.6	72.7	72.8	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
GE [illegible]	72.4	73.0	73.3	73.4	73.5	73.5	73.7	73.7	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9
GE [illegible]	75.2	75.9	76.2	76.3	76.6	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9
GE [illegible]	77.0	78.0	78.5	78.9	79.1	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.8	79.8	79.8	79.8
GE [illegible]	78.3	79.4	79.9	80.3	80.5	80.5	80.8	80.8	80.9	80.9	81.0	81.0	81.3	81.3	81.3	81.3
GE [illegible]	79.5	80.5	81.2	81.8	82.0	82.0	82.4	82.4	82.5	82.5	82.6	82.6	82.9	82.9	82.9	82.9
GE [illegible]	79.9	81.0	81.6	82.3	82.5	82.5	82.8	82.8	82.9	82.9	83.0	83.0	83.3	83.3	83.3	83.3
GE [illegible]	81.6	82.8	83.4	84.2	84.5	84.5	84.9	84.9	85.1	85.2	85.3	85.3	85.6	85.6	85.6	85.6
GE [illegible]	82.7	83.4	84.1	84.8	85.3	85.3	85.7	85.8	85.9	86.0	86.1	86.1	86.5	86.5	86.5	86.5
GE [illegible]	84.0	85.7	86.3	87.2	87.6	87.7	88.3	88.4	88.5	88.6	88.7	88.7	89.0	89.0	89.0	89.0
GE [illegible]	84.6	86.1	86.9	87.7	88.3	88.4	88.9	89.0	89.1	89.2	89.4	89.4	89.7	89.8	89.8	89.8
GE [illegible]	85.2	86.7	87.5	88.5	89.2	89.4	89.9	90.2	90.3	90.4	90.6	90.6	91.0	91.2	91.2	91.3
GE [illegible]	85.2	86.7	87.6	88.7	89.5	89.6	90.1	90.4	90.5	90.6	90.9	90.9	91.2	91.4	91.4	91.5
GE [illegible]	85.4	86.9	88.0	89.2	90.2	90.3	91.0	91.3	91.4	91.5	91.7	91.7	92.0	92.3	92.3	92.4
GE [illegible]	85.6	87.1	88.2	89.5	90.4	90.5	91.2	91.5	91.6	91.7	91.9	91.9	92.3	92.6	92.6	92.7
GE [illegible]	85.9	87.7	89.0	90.4	91.4	91.5	92.2	92.5	92.6	92.7	93.0	93.0	93.3	93.7	93.7	93.8
GE [illegible]	85.9	87.7	89.0	90.4	91.4	91.5	92.2	92.5	92.6	92.7	93.0	93.0	93.3	93.7	93.8	93.9
GE [illegible]	86.0	88.0	89.3	91.0	91.9	92.0	92.7	93.0	93.1	93.4	93.7	93.8	94.1	94.4	94.5	94.7
GE [illegible]	86.0	88.0	89.3	91.0	91.9	92.0	92.8	93.1	93.3	93.6	94.0	94.0	94.3	94.6	94.8	95.1
GE [illegible]	86.5	88.5	90.1	91.9	92.5	92.6	93.7	94.0	94.2	94.4	94.8	94.8	95.2	95.5	95.7	95.9
GE [illegible]	86.6	88.6	90.2	91.6	92.6	92.7	93.9	94.1	94.2	94.4	94.9	95.1	95.5	95.9	96.1	96.3	96.6
GE [illegible]	86.6	88.8	90.5	92.2	93.2	93.3	94.6	94.9	95.0	95.2	95.7	96.0	96.2	96.6	96.9	97.1	97.5
GE [illegible]	86.6	88.8	90.5	92.2	93.2	93.3	94.6	95.0	95.1	95.3	95.8	96.0	96.2	96.6	96.9	97.2	97.5	98.1
GE [illegible]	86.6	88.8	90.5	92.2	93.2	93.3	94.6	95.0	95.1	95.3	95.8	96.0	96.2	96.6	96.9	97.2	97.5	98.1	99.1
GE [illegible]	86.6	88.8	90.5	92.2	93.2	93.3	94.6	95.0	95.1	95.3	95.8	96.0	96.2	96.6	96.9	97.2	97.5	98.1	99.1	99.5
GE [illegible]	86.6	88.8	90.5	92.2	93.2	93.3	94.6	95.0	95.1	95.3	95.8	96.0	96.2	96.6	96.9	97.2	97.5	98.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

...EAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	59.5	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.5	59.5	59.5	59.6
GE [illegible]	66.2	66.7	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.2	67.3
GE 1800	66.5	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.5
GE 1400	66.8	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.7	67.7	67.7	67.8
GE 1200	67.5	68.4	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.9	69.0	69.0	69.0	69.1
GE 1000	70.6	71.2	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.8	71.8	71.9	71.9	71.9	72.0
GE [illegible]	74.9	75.5	75.6	75.8	75.8	75.8	75.9	75.9	75.9	76.1	76.2	76.3	76.5	76.5	76.5	76.6
GE [illegible]	75.7	76.2	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.9	77.1	77.1	77.2	77.2	77.2	77.3
GE [illegible]	79.5	79.1	79.5	79.7	79.9	79.9	80.0	80.1	80.1	80.3	80.5	80.5	80.6	80.6	80.6	80.8
GE [illegible]	80.8	81.3	81.6	81.8	82.2	82.2	82.3	82.4	82.4	82.7	83.2	83.2	83.4	83.4	83.5	83.7
GE [illegible]	81.3	81.9	82.3	82.6	82.9	82.9	83.0	83.1	83.1	83.4	84.0	84.0	84.2	84.2	84.3	84.4
GE [illegible]	81.8	82.5	82.8	83.2	83.7	83.7	83.8	83.9	83.9	84.2	84.8	84.8	85.1	85.1	85.2	85.3
GE [illegible]	82.5	83.1	83.4	83.9	84.3	84.3	84.4	84.5	84.5	84.8	85.5	85.5	85.7	85.7	85.8	85.9
GE [illegible]	83.5	84.3	84.6	85.1	85.5	85.5	85.6	85.7	85.7	86.0	86.7	86.7	86.9	86.9	87.0	87.1
GE [illegible]	84.0	84.7	85.1	85.5	85.9	85.9	86.0	86.1	86.1	86.5	87.1	87.1	87.3	87.3	87.4	87.5
GE [illegible]	84.6	85.7	86.2	86.7	87.2	87.3	87.5	87.8	87.9	88.2	88.8	88.8	89.0	89.0	89.1	89.2
GE [illegible]	85.7	86.5	87.1	87.5	88.2	88.3	88.5	88.6	88.8	89.1	89.8	89.8	90.0	90.0	90.1	90.2
GE [illegible]	86.8	87.2	88.2	88.8	89.4	89.5	89.7	90.0	90.0	90.3	91.1	91.1	91.3	91.3	91.4	91.5
GE [illegible]	86.9	87.6	88.7	89.2	89.8	89.9	90.1	90.4	90.4	90.8	91.5	91.5	91.7	91.7	91.8	91.9
GE [illegible]	86.9	88.7	89.9	90.5	91.3	91.4	91.8	92.2	92.2	92.5	93.3	93.3	93.5	93.5	93.7	93.8
GE [illegible]	87.0	89.0	90.3	91.1	91.7	91.8	92.3	92.6	92.6	92.9	93.8	93.8	94.0	94.0	94.1	94.2
GE [illegible]	87.1	89.1	90.4	91.2	91.9	92.0	92.5	92.8	92.9	93.3	94.2	94.2	94.6	94.6	94.8	94.9
GE [illegible]	87.1	89.2	90.5	91.3	92.0	92.2	92.7	93.0	93.1	93.5	94.4	94.5	94.9	94.9	95.3	95.5
GE [illegible]	87.1	89.4	90.6	91.4	92.2	92.3	92.8	93.1	93.2	93.6	94.7	94.8	95.2	95.3	95.6	95.8
GE [illegible]	87.1	89.4	90.6	91.4	92.2	92.3	93.0	93.4	93.5	93.9	95.2	95.4	95.8	95.8	96.1	96.3
GE [illegible]	87.1	89.7	91.0	91.7	92.5	92.6	93.4	93.8	94.0	94.2	94.7	95.9	96.4	96.5	96.5	96.8	97.0
GE [illegible]	87.1	89.9	91.3	92.2	92.9	93.0	93.9	94.3	94.5	94.8	95.4	96.6	96.8	97.2	97.2	97.5	97.6
GE [illegible]	87.2	90.2	91.6	92.5	93.2	93.6	94.6	95.2	95.6	96.1	97.4	97.6	98.1	98.1	98.4	98.7
GE [illegible]	87.2	90.3	91.7	92.7	94.1	94.1	95.3	95.9	96.2	96.5	98.1	98.3	98.7	98.7	99.0	99.4
GE [illegible]	87.2	90.3	91.7	92.7	94.1	94.1	95.5	96.2	96.7	97.3	98.7	98.9	99.4	99.4	99.7	100.0
[illegible]	87.2	90.3	91.7	92.7	94.0	94.1	95.5	96.2	96.7	97.3	98.7	98.9	99.4	99.4	99.7	100.0
	87.2	90.3	91.7	92.7	94.0	94.1	95.5	96.2	96.7	97.3	98.7	98.9	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

USAF AIR WEATHER SERVICE/MAC CLIMATOLOGY BRANCH
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	56.2	57.1	57.1	57.1	57.1	57.1	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 2500	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 1500	64.4	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 1000	64.6	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 700	65.2	65.9	65.9	65.9	65.9	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 500	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 400	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 300	72.6	73.4	73.4	73.4	73.4	73.4	73.4	73.7	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 200	74.7	76.3	76.3	76.3	76.5	76.5	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 150	76.9	78.9	78.9	78.9	79.0	79.0	79.1	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 100	78.7	80.5	80.5	80.5	80.6	80.6	80.8	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 90	79.4	81.7	81.7	81.7	81.8	81.8	81.9	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 80	79.7	82.3	82.3	82.3	82.4	82.4	82.5	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 70	80.9	83.8	83.9	83.9	84.0	84.0	84.1	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 60	81.2	84.3	84.4	84.4	84.5	84.5	84.6	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 50	82.9	86.2	86.6	86.6	87.3	87.3	87.4	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 40	83.5	87.1	87.3	87.3	88.1	88.1	88.2	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 35	84.8	88.2	88.7	88.9	89.5	90.5	90.8	91.0	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3
GE 30	84.9	88.5	88.9	89.0	89.9	90.8	91.0	91.2	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5
GE 25	85.6	89.9	91.4	91.6	92.3	92.3	92.5	92.7	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0
GE 20	86.0	91.4	91.9	92.3	93.0	93.0	93.2	93.4	93.5	93.7	93.8	93.8	93.9	93.9	93.9	93.9
GE 15	86.7	91.6	92.4	93.0	93.8	93.8	94.0	94.2	94.3	94.4	94.5	94.5	94.7	94.7	94.7	94.7
GE 10	86.8	92.0	92.7	93.4	94.2	94.2	94.4	94.7	94.8	95.1	95.2	95.2	95.4	95.4	95.4	95.4
GE 9	87.1	92.6	93.2	94.0	94.7	94.7	94.9	95.3	95.4	95.6	95.7	95.7	95.9	95.9	95.9	95.9
GE 8	87.1	92.6	93.2	94.0	94.7	94.9	95.2	95.6	95.7	95.9	96.0	96.0	96.2	96.2	96.2	96.2
GE 7	87.2	92.8	93.4	94.2	94.9	95.2	95.4	95.8	95.9	96.1	96.2	96.2	96.5	96.5	96.5	96.5
GE 6	87.4	93.2	93.9	94.6	95.6	95.8	96.1	96.6	96.7	96.9	97.0	97.0	97.2	97.2	97.2	97.2
GE 5	87.6	93.5	94.4	95.3	96.2	96.5	96.9	97.2	97.4	97.6	97.7	97.7	98.0	98.0	98.0	98.0
GE 4	87.7	93.7	94.5	95.4	96.3	96.6	97.1	97.5	97.8	98.2	98.3	98.3	98.6	98.6	98.6	98.6
GE 3	87.7	93.7	94.5	95.4	96.3	96.6	97.2	98.1	98.4	98.7	98.8	98.8	99.5	99.5	99.5	99.5
GE 2	87.7	93.7	94.5	95.4	96.3	96.6	97.2	98.2	98.4	98.7	98.9	99.0	99.7	99.9	100.0	100.0
GE 0	87.7	93.7	94.5	95.4	96.3	96.6	97.2	98.2	98.4	98.7	98.9	99.0	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 956

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 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
[illegible]	64.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
[illegible]	64.1	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
[illegible]	64.5	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
[illegible]	64.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
[illegible]	65.6	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
[illegible]	67.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
[illegible]	71.2	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	72.2	72.2
[illegible]	71.3	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	73.2
[illegible]	74.3	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
[illegible]	76.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
[illegible]	77.9	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
[illegible]	77.8	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
[illegible]	77.8	80.5	80.6	80.8	81.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
[illegible]	78.9	81.7	81.8	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
[illegible]	79.9	82.8	82.9	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
[illegible]	81.7	84.6	84.6	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
[illegible]	83.2	85.4	85.6	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
99 CLR	57.2	58.1	58.2	58.3	58.4	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
00 22000	64.6	64.7	65.0	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3
01 18000	64.1	65.1	65.3	65.3	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
02 16000	64.8	65.3	65.5	65.5	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9
03 14000	65.2	66.2	66.4	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8
04 12000	67.7	68.4	68.6	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
05 10000	70.7	71.8	72.0	72.1	72.2	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6
06 9000	71.4	72.4	72.7	72.7	72.9	72.9	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
07 8000	74.1	75.4	75.6	75.7	75.9	75.9	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.3
08 7000	75.9	77.3	77.6	77.7	77.9	78.0	78.1	78.2	78.2	78.3	78.4	78.4	78.5	78.5	78.5	78.5
09 6000	77.7	78.6	79.1	79.1	79.3	79.3	79.4	79.6	79.6	79.7	79.8	79.8	79.9	79.9	79.9	79.9
10 5000	79.3	79.9	80.3	80.4	80.7	80.8	80.9	81.0	81.0	81.1	81.2	81.2	81.3	81.4	81.4	81.4
11 4500	79.8	80.4	80.8	81.0	81.3	81.3	81.4	81.5	81.6	81.6	81.7	81.7	81.8	81.9	81.9	81.9
12 4000	82.2	82.1	82.5	82.7	83.1	83.1	83.3	83.4	83.5	83.5	83.7	83.7	83.8	83.8	83.8	83.8
13 3500	82.9	82.9	83.3	83.5	83.9	84.0	84.1	84.3	84.3	84.4	84.5	84.5	84.6	84.6	84.7	84.7
14 3000	85.1	84.4	85.0	85.3	85.8	85.9	86.1	86.3	86.4	86.4	86.6	86.6	86.7	86.7	86.8	86.8
15 2500	85.6	85.0	85.6	85.9	86.5	86.6	86.8	87.0	87.0	87.1	87.3	87.3	87.4	87.5	87.5	87.5
16 2200	86.5	86.3	87.1	87.4	88.1	88.2	88.4	88.7	88.7	88.8	89.0	89.0	89.2	89.2	89.2	89.3
17 2000	87.8	86.6	87.5	87.8	88.5	88.6	88.9	89.1	89.1	89.2	89.4	89.4	89.6	89.6	89.7	89.7
18 1700	88.7	87.4	88.3	88.6	89.5	89.6	89.9	90.2	90.2	90.3	90.5	90.5	90.7	90.7	90.8	90.8
19 1500	89.1	88.3	89.3	89.8	90.5	90.6	90.9	91.2	91.3	91.4	91.6	91.6	91.8	91.8	91.9	91.9
20 1400	89.5	88.8	89.9	90.0	91.3	91.4	91.8	92.1	92.2	92.4	92.6	92.6	92.8	92.9	92.9	92.9
21 1300	90.8	89.2	90.3	90.9	91.7	91.8	92.2	92.6	92.6	92.8	93.1	93.1	93.3	93.4	93.4	93.5
22 1200	94.1	93.6	93.8	91.4	92.3	92.4	92.8	93.2	93.3	93.5	93.8	93.8	94.0	94.1	94.2	94.3
23 1100	86.7	89.9	91.1	91.7	92.6	92.7	93.3	93.7	93.8	94.0	94.3	94.4	94.6	94.7	94.8	94.9
24 1000	87.6	90.3	91.5	92.1	93.1	93.2	93.8	94.3	94.4	94.7	95.0	95.0	95.3	95.4	95.5	95.6
25 900	88.9	90.8	92.1	92.7	93.7	93.8	94.5	95.1	95.1	95.4	95.9	95.9	96.2	96.3	96.4	96.6
26 800	87.1	91.2	92.5	93.3	94.4	94.5	95.2	95.8	96.0	96.3	96.7	96.8	97.1	97.2	97.3	97.5
27 700	87.2	91.4	92.7	93.5	94.6	94.8	95.6	96.2	96.4	96.9	97.4	97.4	97.8	97.8	98.1	98.3
28 600	87.2	91.4	92.8	93.5	94.8	94.9	95.8	96.5	96.8	97.4	97.9	98.0	98.5	98.6	98.9	99.2
29 500	87.2	91.4	92.8	93.5	94.8	95.0	95.9	96.6	96.8	97.5	98.0	98.1	98.7	98.8	99.2	99.6
30 0	87.2	91.4	92.8	93.5	94.8	95.0	95.9	96.6	96.8	97.5	98.0	98.1	98.7	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 7446

GLOBAL CLIMATOLOGY BRANCH
/SAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 74-83
MONTH: FEB HOURS(LST): 0000-2300

CEILING	VISIBILITY IN STATUTE MILES														
IN	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 1/2	GE 1/4	GE 1/16	GE 0
NO CEIL	57.6	57.9	58.4	58.5	59.6	58.6	59.7	58.7	59.7	59.7	59.7	59.7	59.8	59.8	59.1
[illegible]	61.2	61.6	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5
[illegible]	61.3	61.7	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6
[illegible]	1.3	61.7	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6
[illegible]	61.4	61.9	62.5	62.6	62.8	62.8	62.9	62.9	62.9	62.9	62.9	63.1	63.1	63.1	63.1
[illegible]	62.3	62.6	63.2	63.4	63.5	63.5	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
[illegible]	64.2	64.7	65.2	65.4	65.5	65.5	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
[illegible]	64.2	64.7	65.2	65.4	65.5	65.5	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
[illegible]	68.2	68.8	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.1
[illegible]	68.9	69.6	70.2	70.3	70.4	70.4	70.6	70.6	70.8	70.8	70.8	71.0	71.0	71.0	71.0
[illegible]	69.9	70.6	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7
[illegible]	71.3	72.3	72.9	73.0	73.2	73.2	73.3	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6
[illegible]	72.1	73.2	73.8	73.9	74.0	74.0	74.1	74.3	74.3	74.3	74.3	74.5	74.6	74.6	74.7
[illegible]	72.6	73.9	74.5	74.6	74.7	74.8	74.9	75.2	75.2	75.2	75.2	75.4	75.4	75.4	75.5
[illegible]	73.4	74.7	75.3	75.4	75.5	75.7	75.8	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.4
[illegible]	74.8	76.1	76.7	77.0	77.1	77.2	77.3	77.5	77.5	77.5	77.5	77.8	77.8	77.8	77.9
[illegible]	74.9	76.5	77.1	77.3	77.4	77.5	77.7	77.9	77.9	77.9	77.9	78.1	78.1	78.1	78.2
[illegible]	75.7	77.4	78.0	78.2	78.3	78.3	78.4	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.9
[illegible]	76.1	78.4	79.1	79.3	79.4	79.6	79.7	80.0	80.1	80.1	80.1	80.4	80.4	80.4	80.5
[illegible]	77.1	79.8	80.7	81.3	81.4	81.6	81.9	82.3	82.4	82.4	82.4	82.6	82.6	82.6	82.7
[illegible]	79.1	81.2	82.0	82.7	83.0	83.1	83.5	84.0	84.2	84.2	84.2	84.5	84.5	84.5	84.6
[illegible]	79.4	81.6	82.5	83.1	83.5	83.5	83.8	84.4	84.6	84.6	84.6	84.9	84.9	84.9	85.0
[illegible]	79.6	82.2	83.1	83.5	83.9	83.9	84.3	84.9	85.2	85.2	85.2	85.5	85.5	85.5	85.6
[illegible]	79.7	82.5	83.4	84.0	84.4	84.4	84.9	85.5	85.8	85.8	85.8	86.2	86.2	86.2	86.3
[illegible]	79.7	82.7	83.6	84.2	84.6	84.6	85.1	85.7	86.0	86.0	86.0	86.4	86.4	86.4	86.5
[illegible]	79.9	83.0	84.0	84.8	85.2	85.3	85.8	86.4	86.8	86.8	86.8	87.1	87.1	87.1	87.2
[illegible]	80.4	84.0	85.2	85.9	86.3	86.4	86.9	87.5	87.8	87.8	88.0	88.3	88.3	88.3	88.4
[illegible]	80.4	84.6	85.7	86.3	87.2	87.4	87.9	88.7	89.2	89.4	89.6	90.0	90.0	90.0	90.1
[illegible]	81.2	85.5	86.6	87.4	88.4	88.5	89.1	90.1	90.4	91.0	91.2	91.6	91.6	91.6	91.7
[illegible]	81.3	85.7	86.9	87.7	89.1	89.2	90.1	91.1	91.4	92.2	92.5	93.2	93.2	93.2	93.3
[illegible]	81.4	86.2	87.6	88.5	90.1	90.4	91.1	92.1	92.4	93.2	93.5	94.4	94.5	94.5	94.6
[illegible]	81.4	86.3	87.7	88.7	90.2	90.3	91.2	92.2	92.6	93.6	94.2	95.0	95.0	96.7	97.3
[illegible]	81.4	86.3	87.7	88.7	91.2	92.3	91.3	92.2	92.6	93.6	94.2	94.9	95.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

...L CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...SERVICE — FROM HOURLY OBSERVATIONS
...WEATHER SERVICE/MAC

...E NUMBER: 72... STATION NAME: FLEMSBURG APT SC PERIOD OF RECORD: 7...-...
MONTH: FEB HOURS(LST): ...-...

CEILING — VISIBILITY IN STATUTE MILES

CEILING	10	7	5	4	3	2 1/2	2	1 1/2	1	3/4	1/2	1/4	1/8	0
...	...7	83.7	83.7	83.8	83.8	83.8	83.8	84.0	84.1	84.1	84.1	84.1	84.3	84.4	84.5
...	...5	79.8	80.0	80.1	80.1	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.4	80.5	80.6
...	...4	79.7	79.7	80.0	80.1	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.4	80.5	80.6
...	...0	79.6	79.7	79.9	80.0	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.3	80.4	80.5
...	...7	79.6	79.7	79.8	79.9	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.2	80.3	80.4
...	...2	79.6	79.7	79.8	79.9	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.2	80.3	80.4
...	...2	79.6	79.7	79.8	79.9	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.2	80.3	80.4
...	...0

...AL CLIMATOLOGY BRANCH
...SFETAC)
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

CEILING	VISIBILITY IN STATUTE MILES														
In Feet		10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
	45.5	45.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.1	49.1	49.2	49.3	49.3	49.4	
	55.8	56.1	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.9	56.9	57.0	57.1	57.2	57.3	
	56.8	56.9	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1	57.1	57.2	57.3	57.4	57.6	
	56.8	56.9	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1	57.1	57.2	57.3	57.4	57.6	
	56.7	57.1	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.8	57.9	57.9	58.0	58.2	58.3	
	58.0	58.9	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.6	59.6	59.7	59.8	59.9	60.0	
	59.9	62.1	62.4	62.4	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.1	63.2	63.4	63.5	
	61.0	62.3	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2	63.2	63.4	63.5	63.6	63.7	
	64.6	65.0	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.0	66.0	66.1	66.2	66.3	66.4	
	66.2	66.7	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.7	67.8	68.0	68.1	
	66.2	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.8	68.9	69.0	69.1	
	69.1	69.7	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.7	70.7	70.8	70.9	71.0	71.1	
	69.1	70.8	71.2	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.9	71.9	72.0	72.1	72.2	72.3	
	70.6	72.5	72.9	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.8	73.8	73.9	74.0	74.1	74.2	
	71.9	73.4	73.8	74.2	74.3	74.3	74.4	74.5	74.5	74.5	74.7	74.7	74.8	74.9	75.1	75.1	
	72.8	75.2	75.5	76.1	76.2	76.2	76.4	76.5	76.5	76.5	76.7	76.7	76.8	77.0	77.1	77.2	
	77.5	78.6	78.6	77.4	77.5	77.5	77.7	77.8	77.9	77.9	78.1	78.1	78.3	78.4	78.6	78.7	
	78.8	77.9	78.5	79.3	79.6	79.6	80.2	80.3	80.4	80.4	80.6	80.6	80.7	80.9	81.1	81.2	
	79.2	79.1	78.7	79.5	79.8	79.8	80.3	80.5	80.6	80.6	80.9	80.9	81.0	81.1	81.3	81.4	
	76.4	80.2	81.6	81.9	81.9	81.9	82.4	82.7	82.9	82.9	83.1	83.1	83.2	83.3	83.6	83.7	
	77.2	81.1	81.6	82.5	83.1	83.1	83.4	84.5	84.6	84.6	84.9	84.9	85.0	85.1	85.3	85.5	
	77.4	81.2	81.9	82.8	83.5	83.5	84.2	85.1	85.2	85.2	85.6	85.6	85.7	85.8	86.1	86.2	
	77.7	81.5	82.5	83.6	84.5	84.5	85.2	86.2	86.3	86.3	86.6	86.6	86.8	86.9	87.1	87.2	
	77.9	82.2	82.9	83.9	84.7	84.9	85.7	86.9	86.9	87.0	87.4	87.4	87.5	87.5	87.8	87.9	
	78.1	83.1	83.7	84.9	85.8	86.0	86.8	87.9	87.9	88.0	88.3	88.3	88.4	88.5	88.8	88.9	
	78.5	83.5	84.2	85.3	86.4	86.6	87.2	88.1	88.2	88.2	88.7	88.7	89.1	89.2	89.6	89.8	
	79.2	83.7	84.4	85.7	87.1	87.2	87.9	89.1	89.2	89.2	89.7	89.7	90.1	90.3	91.0	91.2	
	79.8	84.2	84.9	86.4	87.7	87.9	88.8	90.1	90.3	90.3	91.2	91.2	91.5	92.0	93.0	93.2	
	79.8	84.6	85.4	87.2	88.9	89.2	89.7	91.1	91.5	91.5	92.6	92.6	93.2	93.7	95.2	95.6	
	79.8	84.6	85.4	87.5	89.1	89.4	89.8	91.3	91.7	91.7	92.8	92.8	93.4	94.0	95.6	96.0

[illegible] CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] FROM HOURLY OBSERVATIONS
[illegible] WEATHER SERVICE/MAC

[illegible] NUMBER: 726627 STATION NAME: ELLSWORTH AFB SD — PERIOD OF RECORD: 78-87
MONTHS: FEB — HOURS(LST): 0900-1100

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 10	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 3/16	GE 1/4	GE 0
[illegible]	48.5	48.9	49.1	49.4	49.4	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
[illegible]	59.0	59.0	59.1	59.5	59.5	59.5	59.6	59.7	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0
[illegible]	59.1	59.9	60.0	60.4	60.4	60.4	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0
[illegible]	59.2	60.0	60.2	60.5	60.5	60.5	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1
[illegible]	61.0	61.1	61.2	61.6	61.6	61.6	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2
[illegible]	63.8	63.9	64.1	64.4	64.4	64.4	64.6	64.7	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0
[illegible]	65.8	67.3	67.6	68.0	68.2	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.8
[illegible]	66.0	67.4	67.7	68.2	68.3	68.3	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
[illegible]	69.1	70.7	71.0	71.5	71.6	71.6	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.5
[illegible]	70.6	71.2	71.5	72.0	72.1	72.1	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0
[illegible]	70.4	72.2	72.7	73.2	73.5	73.5	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5
[illegible]	71.3	73.2	73.5	74.0	74.5	74.5	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4
[illegible]	71.5	73.3	73.6	74.2	74.7	74.7	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	76.1
[illegible]	73.4	75.4	76.0	76.5	77.1	77.1	77.8	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.7
[illegible]	74.6	76.6	77.2	77.7	78.3	78.3	79.0	79.3	79.3	79.6	79.6	79.6	79.6	79.7	79.7	79.7	[illegible]
[illegible]	75.3	77.3	77.9	78.4	79.0	79.0	79.9	80.3	80.4	80.7	80.7	80.7	80.7	80.9	80.9	81.0	[illegible]
[illegible]	75.7	77.7	78.4	79.0	79.6	79.6	80.6	81.0	81.1	81.4	81.4	81.4	81.4	81.5	81.7	82.0	[illegible]
[illegible]	76.2	78.3	79.0	79.7	80.4	80.4	81.3	82.0	82.4	83.1	83.1	83.1	83.1	83.2	83.3	83.7	[illegible]
[illegible]	76.5	78.3	79.0	79.7	80.4	80.4	81.3	82.0	82.4	83.1	83.1	83.1	83.1	83.2	83.3	83.7	[illegible]
[illegible]	76.7	78.6	79.4	80.0	81.2	81.2	82.2	83.0	83.5	84.2	84.2	84.2	84.2	84.3	84.4	84.8	[illegible]
[illegible]	77.5	79.4	80.2	81.0	81.9	82.7	83.7	84.6	85.1	85.9	86.0	86.2	86.2	86.2	86.3	86.4	[illegible]
[illegible]	78.4	81.0	82.2	83.0	83.8	84.9	86.2	87.4	87.9	88.7	89.1	89.7	89.7	89.9	89.9	89.9	[illegible]
[illegible]	78.5	81.6	82.7	83.6	84.4	85.6	87.0	88.3	88.8	89.7	90.2	90.8	90.8	91.0	91.1	91.1	[illegible]
[illegible]	78.7	81.9	83.1	84.0	84.8	86.0	87.5	88.8	89.3	90.2	90.8	91.4	91.4	91.6	91.7	91.7	[illegible]
[illegible]	79.4	82.0	83.2	84.2	84.9	86.1	87.4	89.1	89.8	90.8	91.3	91.9	91.9	92.1	92.2	92.2	[illegible]
[illegible]	79.4	82.3	83.6	84.7	85.1	86.3	88.1	90.2	91.4	91.7	92.2	92.8	92.8	92.9	93.0	93.4	[illegible]
[illegible]	79.6	82.3	83.7	84.8	85.2	86.5	88.4	90.9	91.8	92.7	93.6	93.7	94.3	94.4	94.6	94.9	[illegible]
[illegible]	79.6	82.4	83.8	84.9	85.3	86.7	88.7	91.1	92.0	93.7	94.7	94.8	95.4	95.7	96.1	96.5	[illegible]
[illegible]	79.6	82.5	83.7	84.9	85.9	86.3	88.9	92.1	93.4	94.3	96.0	96.3	97.2	97.8	98.0	98.6	[illegible]
[illegible]	79.6	82.5	83.7	84.9	85.9	86.3	89.5	92.2	93.6	94.4	96.4	97.2	98.0	98.6	98.8	99.2	[illegible]
[illegible]	79.6	82.5	83.7	84.9	85.9	86.3	89.5	92.2	93.6	94.4	96.4	97.2	98.0	98.6	98.9	99.3	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: 726625 STATION NAME: FELLSWORTH AFB SD

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 7/8	GE 5/8	GE 1/2	GE 3/16	GE 1/4	GE 0
GE CEIL	60.1	57.5	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
	62.6	62.9	62.9	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	
	62.9	62.6	63.2	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
	60.9	62.6	63.2	63.2	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
	61.7	63.6	63.9	64.5	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	
	64.3	66.2	66.5	67.1	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	
	68.1	70.2	70.6	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	
	68.4	70.6	70.9	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
	71.2	73.3	73.6	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	
	71.9	74.1	74.5	75.1	75.2	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.5	
	73.8	75.3	75.7	76.5	76.5	76.9	76.9	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.8	
	74.1	76.7	77.1	77.7	77.9	77.9	77.9	78.7	78.7	79.1	79.1	79.1	79.1	79.1	79.2	
	74.9	77.4	77.9	78.4	78.6	78.6	78.6	78.7	78.7	78.8	78.9	78.9	78.9	78.9	78.9	
	77.2	79.8	80.1	80.7	81.1	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.6	81.6	
	77.6	80.0	80.5	81.2	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.8	82.0	82.0	82.1	
	78.6	81.7	82.3	83.0	83.7	83.7	83.8	83.9	84.2	84.4	84.4	84.4	84.4	84.6	84.6	
	78.7	81.8	82.4	83.2	84.0	84.0	84.2	84.3	84.5	84.8	84.8	84.8	84.8	85.0	85.0	
	79.4	82.6	83.2	84.0	85.2	85.2	85.3	85.5	85.7	86.1	86.1	86.1	86.1	86.3	86.3	
	79.6	82.9	83.6	84.5	85.5	85.5	85.6	85.7	85.9	86.3	86.3	86.3	86.3	86.5	86.5	
	80.8	84.0	84.8	85.8	86.3	86.3	86.4	86.6	86.9	87.5	87.5	87.5	87.5	87.7	87.7	
	82.9	85.3	85.9	87.0	88.1	88.1	88.2	88.5	88.8	89.4	89.5	89.5	89.6	89.7	89.8	
	83.9	86.3	87.1	88.4	89.1	89.1	89.4	89.6	90.1	90.7	91.0	91.0	91.0	91.1	91.4	
	84.0	86.3	87.1	88.4	89.1	89.1	89.4	89.7	90.2	91.3	91.6	91.6	91.6	91.8	92.0	
	84.2	86.5	87.3	88.7	89.7	89.8	90.1	90.4	91.1	92.4	92.8	92.8	92.8	93.0	93.1	
	84.7	87.2	87.9	89.4	90.3	90.4	91.1	92.1	92.4	93.1	93.5	93.9	93.9	94.1	94.2	
	84.8	87.6	88.3	89.7	90.7	90.8	91.5	92.4	92.8	93.5	93.9	94.2	94.2	94.4	94.6	
	86.2	89.1	89.8	90.3	91.3	91.5	92.2	93.3	93.8	94.5	95.2	96.1	96.1	96.3	96.6	
	86.2	89.1	89.9	90.4	91.4	91.7	92.8	94.1	94.4	95.6	96.2	96.7	96.9	97.3	97.3	
	86.2	89.1	89.9	90.5	91.5	91.8	92.9	94.2	94.8	95.9	96.5	97.0	97.2	97.6	97.6	
	86.3	89.2	89.9	90.6	91.6	92.0	93.1	94.4	95.0	96.2	96.8	97.3	97.5	97.9	98.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	57.2	53.8	53.8	53.9	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 20000	61.2	61.3	61.3	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 18000	62.9	62.1	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	63.9	62.2	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 14000	65.1	63.4	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	66.9	66.3	66.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 10000	69.6	70.1	70.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 9000	69.9	70.7	71.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 8000	70.6	74.7	75.2	75.5	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 7000	77.1	75.3	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 6000	77.9	76.6	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 5000	75.4	77.7	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4000	76.2	78.3	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 3500	76.5	79.1	79.7	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4
GE 3000	77.5	79.8	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	78.6	82.0	82.6	83.2	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8
GE 2000	79.4	82.9	83.5	84.2	84.6	84.6	85.0	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3
GE 1800	79.7	83.3	83.9	84.7	85.5	85.5	85.8	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3
GE 1600	80.1	83.8	84.4	85.3	85.9	85.9	86.3	86.5	86.6	86.6	86.6	86.7	86.8	86.8	86.8	86.8
GE 1400	80.4	84.3	84.9	85.8	86.4	86.5	86.9	87.1	87.1	87.4	87.4	87.5	87.5	87.5	87.5	87.5
GE 1200	81.4	85.7	86.3	87.2	87.4	87.9	88.3	88.5	88.5	88.6	88.9	89.0	89.1	89.1	89.1	89.1
GE 1000	82.0	87.2	87.9	88.8	89.4	89.6	90.2	90.7	90.7	91.0	91.0	91.1	91.3	91.3	91.3	91.3
GE 900	82.2	87.4	87.9	88.8	89.6	89.8	90.4	91.0	91.0	91.4	91.5	91.6	91.7	91.7	91.7	91.7
GE 800	82.4	87.6	88.3	89.5	90.4	90.7	91.3	92.0	92.0	92.3	92.4	92.6	92.7	92.7	92.7	92.7
GE 700	82.6	88.1	89.1	90.5	91.6	91.8	92.7	93.6	93.6	94.1	94.2	94.4	95.0	95.2	95.2	95.2
GE 600	82.9	88.4	89.5	91.0	92.1	92.3	93.1	94.1	94.1	94.6	94.7	94.9	95.5	95.6	95.6	95.6
GE 500	83.0	88.8	90.0	91.5	92.8	93.1	94.1	95.3	95.3	96.1	96.5	96.7	97.7	97.4	97.4	97.4
GE 450	83.2	88.9	90.1	91.6	93.0	93.5	94.4	95.4	95.4	96.2	96.7	97.0	97.3	98.0	98.1	98.1
GE 400	83.2	88.9	90.1	91.6	93.1	93.5	94.4	95.4	95.4	96.2	96.7	97.0	97.3	98.1	98.2	98.2
GE 350	83.2	88.9	90.1	91.6	93.2	93.7	94.6	95.9	95.9	96.7	97.2	97.5	97.8	98.7	99.1	99.2
GE 300	83.2	88.9	90.1	91.8	93.3	93.7	94.8	95.9	95.9	96.7	97.2	97.5	97.9	98.8	99.1	99.3
GE 250	83.2	88.9	90.1	91.8	93.3	93.7	94.8	95.9	95.9	96.7	97.2	97.5	97.9	98.8	99.1	99.3
GE 200	83.2	88.9	90.1	91.8	93.3	93.7	94.8	95.9	95.9	96.7	97.2	97.5	97.9	98.8	99.1	99.5
GE 150	83.2	88.9	90.1	91.8	93.3	93.7	94.8	95.9	95.9	96.7	97.2	97.5	97.9	98.8	99.1	99.5
GE 100	83.2	88.9	90.1	91.8	93.3	93.7	94.8	95.9	95.9	96.7	97.2	97.5	97.9	98.8	99.1	99.5
GE 50	83.2	88.9	90.1	91.8	93.3	93.7	94.8	95.9	95.9	96.7	97.2	97.5	97.9	98.8	99.1	99.5
GE 0	83.2	88.9	90.1	91.8	93.3	93.7	94.8	95.9	95.9	96.7	97.2	97.5	97.9	98.8	99.1	99.5

TOTAL NUMBER OF OBSERVATIONS: 540

...TAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 76-87
MONTH: FEB HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 7	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 0
GE CEIL	58.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
[illegible]	61.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
[illegible]	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
[illegible]	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
1400	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
[illegible]	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
[illegible]	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
[illegible]	69.7	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	69.9	69.9
[illegible]	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
[illegible]	73.5	73.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
[illegible]	77.8	77.9	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
[illegible]	75.7	75.8	75.8	75.9	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
[illegible]	76.6	76.7	76.7	76.8	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
[illegible]	77.5	77.7	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
[illegible]	78.1	78.2	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
[illegible]	79.7	79.8	79.9	79.9	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
[illegible]	79.9	80.5	80.5	80.6	80.6	80.6	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
[illegible]	81.3	81.9	81.9	82.0	82.0	82.0	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
[illegible]	81.7	82.2	82.2	82.4	82.4	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
[illegible]	82.7	83.3	83.5	83.6	83.6	84.0	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
[illegible]	84.2	84.9	85.0	85.1	85.1	85.7	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
[illegible]	86.2	87.1	87.2	87.4	87.4	87.8	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9
[illegible]	86.5	87.5	87.6	87.7	87.7	88.4	89.1	89.1	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4
[illegible]	87.5	88.4	88.6	88.7	88.8	89.6	90.4	90.4	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7
[illegible]	89.4	89.4	89.5	89.8	89.8	90.5	91.5	91.5	92.2	92.2	92.3	92.4	92.4	92.4	92.6	92.6
[illegible]	90.7	90.7	90.8	90.8	90.8	91.5	91.7	91.7	91.7	92.2	92.4	92.6	92.8	92.8	92.9	93.0
[illegible]	93.1	93.4	91.4	91.7	92.2	92.3	92.9	94.0	94.0	94.8	95.2	95.4	95.7	95.7	95.9	96.0
[illegible]	93.2	93.5	91.5	92.0	92.2	92.2	93.1	94.3	94.3	95.2	95.6	95.9	96.2	96.2	96.5	96.6
[illegible]	93.2	93.6	91.7	92.1	92.4	92.7	93.6	94.6	94.8	95.9	96.2	96.6	96.9	96.9	97.3	97.4
[illegible]	93.2	93.8	91.7	92.2	92.4	92.7	93.7	94.8	94.9	96.2	96.6	97.0	97.5	97.5	97.9	98.0
[illegible]	93.2	93.8	91.7	92.2	92.4	92.7	93.7	94.9	94.9	96.3	96.7	97.4	97.9	97.9	98.6	99.1
[illegible]	93.2	93.8	91.7	92.2	92.4	92.7	93.7	94.9	94.9	96.3	96.7	97.5	98.0	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

...L CLIMATOLOGY BRANCH
...SAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	56.4	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9
GE 20000	60.4	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.1
GE 15000	60.5	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
GE 10000	60.6	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3
GE 9000	61.1	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8
GE 8000	61.8	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5
GE 7000	66.2	67.6	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
GE 6000	66.7	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6
GE 5000	69.7	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6
GE 4500	69.7	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6
GE 4000	70.7	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6
GE 3500	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1
GE 3000	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1
GE 2500	75.9	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4
GE 2000	77.9	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6
GE 1800	78.5	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.3
GE 1600	78.1	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8
GE 1400	79.1	79.9	79.9	79.9	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4
GE 1200	80.4	80.5	80.5	80.5	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0
GE 1000	81.4	81.8	81.9	81.9	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5
GE 900	83.6	83.8	83.8	83.9	84.2	84.2	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.8	84.8
GE 800	84.4	84.9	85.1	85.3	85.6	85.6	85.7	85.8	86.1	86.2	86.2	86.2	86.5	86.5	86.6	86.6
GE 700	85.6	85.8	85.9	85.9	85.9	85.9	86.2	86.3	86.5	86.6	86.8	86.8	87.1	87.1	87.2	87.2
GE 600	86.9	86.7	86.9	86.2	86.4	86.4	86.6	86.8	87.0	87.1	87.4	87.4	87.7	87.7	87.8	87.8
GE 500	91.1	86.2	86.4	86.6	86.7	86.9	87.1	87.4	87.5	87.7	88.2	88.2	88.5	88.5	88.7	88.7
GE 400	91.8	87.8	87.9	87.7	87.9	87.9	88.2	88.3	88.5	88.8	89.5	89.5	89.8	89.8	90.0	90.0
GE 300	87.7	89.6	89.9	90.0	90.5	90.5	90.9	91.4	91.6	92.4	93.3	93.3	93.7	93.7	93.9	93.9
GE 200	92.7	89.7	90.0	90.4	91.4	91.4	91.7	92.2	92.4	93.6	94.4	94.4	94.9	94.9	95.0	95.0
GE 100	93.2	90.4	90.9	91.5	92.2	92.2	92.6	93.1	93.3	94.6	95.4	95.4	95.9	95.9	96.0	96.0
GE 50	93.9	90.7	91.1	91.8	92.6	92.6	93.0	93.5	93.7	95.3	96.1	96.1	97.2	97.2	97.6	97.6
GE 0	93.9	90.7	91.3	91.9	92.6	92.6	93.0	93.5	93.7	95.3	96.3	96.5	97.3	97.4	98.0	98.5
	87.9	91.7	91.7	91.8	92.6	92.6	93.0	93.5	93.7	95.3	96.3	96.5	97.3	97.4	98.0	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: FEB 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 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	52.7	52.8	52.9	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.4	
GE 22000	59.4	60.4	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.2
GE 18000	59.9	60.8	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.6
GE 16000	60.0	60.9	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.6	61.6	61.6
GE 14000	60.5	61.6	61.8	62.0	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.4
GE 12000	62.3	63.4	63.6	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.2	64.2
GE 10000	65.3	66.7	66.9	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.6
GE 9000	65.5	66.9	67.2	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.9
GE 8000	69.9	70.4	70.7	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.3	71.3	71.4
GE 7000	69.7	71.2	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.3
GE 6000	73.5	72.1	72.4	72.7	72.8	72.8	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.3
GE 5000	71.6	73.7	74.1	74.3	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.9	75.0
GE 4500	72.7	74.5	74.9	75.1	75.3	75.3	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.8
GE 4000	73.2	75.6	76.2	76.5	76.6	76.7	76.8	76.9	76.9	76.9	77.0	77.0	77.1	77.1	77.2	77.3
GE 3500	74.5	76.6	77.2	77.5	77.5	77.5	77.7	77.8	77.8	77.8	77.9	77.9	78.0	78.0	78.1	78.2
GE 3000	75.8	78.3	78.7	79.0	79.3	79.3	79.5	79.7	79.7	79.8	79.8	79.9	79.9	80.0	80.0	80.1
GE 2500	76.0	78.6	79.3	79.7	80.0	80.0	80.3	80.5	80.5	80.6	80.7	80.7	80.7	80.8	80.9	81.0
GE 2200	76.9	79.9	80.4	80.9	81.3	81.3	81.7	82.0	82.0	82.0	82.2	82.3	82.3	82.4	82.4	82.6
GE 2000	77.0	80.2	80.8	81.3	81.7	81.7	82.1	82.4	82.4	82.6	82.6	82.7	82.7	82.8	82.8	82.9
GE 1800	78.2	81.4	82.1	82.5	83.1	83.1	83.6	83.9	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.5
GE 1600	79.7	83.0	83.6	84.2	84.7	84.7	85.2	85.5	85.6	85.9	86.1	86.2	86.2	86.3	86.4	86.5
GE 1400	79.5	83.9	84.6	85.3	85.5	85.6	86.0	86.5	86.7	87.1	87.2	87.4	87.6	87.8	87.8	87.9	88.0
GE 1200	80.0	84.1	85.0	85.7	86.2	86.3	86.7	87.0	87.0	87.4	87.8	88.0	88.3	88.5	88.6	88.7	88.8
GE 1000	81.7	84.7	85.5	86.2	86.6	86.9	87.2	87.7	88.0	88.4	88.8	89.0	89.3	89.5	89.5	89.6	89.7
GE 900	82.0	85.0	86.0	86.9	87.5	87.6	88.0	88.4	88.6	89.0	89.3	89.5	89.8	90.0	90.0	90.1	90.2
GE 800	82.9	86.7	87.6	88.3	88.7	88.8	89.2	89.1	89.4	89.7	90.1	90.3	90.6	91.1	91.2	91.5	91.6	91.7	91.8
GE 700	83.4	88.5	89.4	90.2	90.2	90.3	90.7	91.0	91.1	91.6	92.0	92.1	92.3	93.3	93.7	93.8	93.9	94.1
GE 600	84.1	89.6	90.7	91.6	91.7	91.9	92.0	92.1	92.2	92.7	93.0	93.2	93.4	94.3	95.1	95.2	95.3
GE 500	84.7	90.2	91.2	92.2	92.3	92.6	92.8	92.9	93.0	93.1	93.4	93.6	93.8	94.7	95.4	96.1	96.3	96.5	96.7
GE 400	85.1	91.0	92.4	93.4	93.5	93.6	93.9	94.0	94.1	94.4	94.7	95.1	95.3	96.2	96.4	96.7	96.9	97.2	97.5	97.8	98.1
GE 300	85.1	91.8	93.4	94.4	94.5	94.6	94.9	95.0	95.1	95.4	95.7	96.0	96.2	97.1	97.4	97.7	97.8	98.0	98.4	98.7	99.1
GE 0	85.9	87.4	88.4	89.5	90.7	90.9	91.2	91.5	91.8	92.2	92.5	92.8	93.1	94.0	94.3	94.6	94.8	95.0	95.4	95.7	96.1	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 76-87
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 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
99999 CEIL	56.9	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 20000	59.8	60.4	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	60.5
GE 18000	60.0	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 16000	60.0	60.6	60.6	60.6	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 14000	61.1	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 12000	61.7	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 10000	63.9	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 9000	64.4	64.6	64.6	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
GE 8000	66.3	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 7000	66.8	67.6	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	67.8
GE 6000	67.7	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.8
GE 5000	68.8	69.7	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 4500	69.0	70.0	70.1	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 4000	71.1	72.0	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	72.3
GE 3500	72.0	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 3000	74.7	75.9	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 2500	75.1	76.2	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 2000	76.2	77.6	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 1800	76.3	77.7	78.1	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 1600	77.3	78.8	79.2	79.3	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 1400	78.4	80.5	81.0	81.1	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1200	79.4	81.5	82.4	82.7	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1000	79.7	82.3	82.8	83.1	83.5	83.5	83.5	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 900	80.5	83.4	84.1	84.6	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 800	80.8	83.7	84.7	84.8	85.3	85.3	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 700	81.7	84.3	85.2	85.5	86.0	86.0	86.0	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3
GE 600	82.0	86.0	87.3	88.1	88.6	88.7	89.0	89.1	89.2	89.4	89.9	91.0	91.2	91.6	91.6	91.6
GE 500	82.7	87.5	89.5	89.6	90.4	90.4	90.6	91.1	91.5	91.7	92.5	92.6	92.6	92.6	92.6	92.6
GE 400	83.1	88.4	89.2	90.3	91.4	91.4	91.7	92.3	92.7	93.2	94.7	94.9	94.6	94.7	94.7	94.7
GE 300	83.2	88.3	89.4	90.4	91.5	91.5	91.9	92.5	93.3	94.3	95.4	95.7	96.6	96.7	97.1	97.6
GE 200	83.2	88.7	89.4	90.4	91.5	91.5	91.9	93.1	93.4	94.5	95.6	95.9	97.2	97.1	97.5	98.5
GE 100	83.2	88.3	89.4	90.4	91.5	91.5	91.9	93.1	93.4	94.5	95.7	96.1	97.2	97.5	98.0	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0700-0900

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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	53.2	53.5	53.5	53.5	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2
GE 20000	57.7	58.1	58.1	58.1	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.7
GE 18000	57.7	58.1	58.1	58.1	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.7
GE 16000	58.1	58.4	58.4	58.4	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0
GE 14000	59.1	59.5	59.5	59.5	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.1
GE 12000	60.3	60.6	60.6	60.6	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3
GE 10000	62.3	62.6	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2
GE 9000	62.4	62.7	62.7	62.7	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3
GE 8000	64.1	64.2	64.2	64.2	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.8
GE 7000	64.6	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.5	65.5	65.5	65.5
GE 6000	65.6	67.0	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6
GE 5000	67.0	68.6	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.4
GE 4500	67.5	69.2	69.2	69.2	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9	70.0
GE 4000	69.5	70.6	70.6	70.6	71.1	71.1	71.1	71.1	71.1	71.2	71.3	71.3	71.4	71.4	71.4	71.5
GE 3500	69.9	71.6	71.6	71.6	72.1	72.1	72.1	72.1	72.0	72.2	72.3	72.3	72.4	72.4	72.4	72.5
GE 3000	70.0	72.4	72.4	72.4	73.0	73.0	73.0	73.0	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.4
GE 2500	70.2	72.6	72.6	72.6	73.2	73.2	73.2	73.2	73.2	73.4	73.4	73.4	73.5	73.5	73.5	73.6
GE 2000	71.2	74.3	74.4	74.4	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.3	75.3	75.3	75.4
GE 1800	71.5	74.6	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.4	75.4	75.4	75.6	75.6	75.6	75.7
GE 1600	71.7	74.8	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.6	75.6	75.6	75.8	75.8	75.8	75.9
GE 1400	72.1	75.2	75.3	75.3	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.2	76.2	76.2	76.3
GE 1200	72.4	75.5	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	76.5	76.5	76.5	76.6
GE 1000	73.0	76.8	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.9	77.9	77.9	78.0
GE 900	73.2	77.0	77.2	77.2	77.6	77.6	77.6	77.6	77.6	77.9	77.9	77.9	78.1	78.1	78.1	78.2
GE 800	73.5	77.3	77.5	77.5	77.9	77.9	77.9	77.9	77.9	78.2	78.2	78.2	78.4	78.4	78.4	78.5
GE 700	73.8	77.6	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.5	78.5	78.5	78.7	78.7	78.7	78.8
GE 600	74.0	77.8	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.9	78.9	78.9	79.0
GE 500	74.2	78.0	78.2	78.2	78.6	78.6	78.6	78.6	78.6	78.9	78.9	78.9	79.1	79.1	79.1	79.2
GE 400	74.3	78.1	78.3	78.3	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.2	79.2	79.2	79.3
GE 300	74.4	78.2	78.4	78.4	78.8	78.8	78.8	78.8	78.8	79.1	79.1	79.1	79.3	79.3	79.3	79.4
GE 200	74.5	78.3	78.5	78.5	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.2	79.4	79.4	79.4	79.5
GE 100	74.5	78.3	78.5	78.5	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.2	79.4	79.4	79.4	79.5
GE 0	74.5	78.3	78.5	78.5	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.2	79.4	79.4	79.4	79.5

TOTAL NUMBER OF OBSERVATIONS: 221

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 76-87
MONTH: MAR 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	50.0	50.5	50.9	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.6
[illegible]	55.7	56.6	56.8	57.3	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.8
[illegible]	55.8	56.7	56.9	57.4	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	58.0
[illegible]	56.0	56.9	57.1	57.6	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.2
[illegible]	56.7	57.5	57.7	58.3	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.8
[illegible]	58.7	58.8	59.0	59.6	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.1
[illegible]	59.9	60.9	61.1	61.6	61.8	61.8	61.8	61.8	61.9	61.9	62.0	62.0	62.2	62.2	62.2	62.3
[illegible]	60.5	61.5	61.7	62.3	62.5	62.5	62.5	62.5	62.5	62.6	62.7	62.8	62.8	62.8	62.8	62.9
[illegible]	63.0	64.2	64.4	64.9	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.4	65.5	65.5	65.5	65.6
[illegible]	63.7	64.9	65.2	65.7	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.2	66.2	66.2	66.3
[illegible]	64.8	66.1	66.3	66.9	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.4	67.5	67.5	67.5	67.6
[illegible]	66.2	67.3	67.5	68.2	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.7	68.8	68.8	68.8	68.9
[illegible]	66.2	67.5	67.7	68.4	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.1
[illegible]	62.5	69.6	69.8	70.4	70.8	70.8	70.8	70.8	70.9	70.9	70.9	71.0	71.1	71.1	71.1	71.2
[illegible]	69.1	70.9	71.1	71.7	72.0	72.0	72.0	72.0	72.0	72.1	72.2	72.3	72.4	72.4	72.6	72.7
[illegible]	72.1	73.2	73.4	74.2	73.7	73.7	73.7	73.8	73.8	73.9	73.9	74.0	74.1	74.1	74.1	74.2
[illegible]	71.1	73.4	73.7	74.5	75.1	75.1	75.1	75.2	75.2	75.2	75.3	75.4	75.5	75.5	75.7	75.8
[illegible]	72.5	74.9	75.2	76.0	76.6	76.6	76.6	76.7	76.7	76.8	76.8	76.9	77.0	77.0	77.2	77.3
[illegible]	72.6	75.3	75.6	76.3	77.0	77.0	77.0	77.1	77.1	77.2	77.2	77.3	77.4	77.4	77.6	77.7
[illegible]	74.3	76.6	77..	77.8	78.5	78.6	78.6	78.7	78.7	78.8	78.9	79.0	79.1	79.1	79.4	79.5
[illegible]	74.9	77.7	78.0	78.9	79.7	79.7	79.8	79.9	79.9	80.1	80.1	80.2	80.3	80.3	80.5	80.6
[illegible]	75.8	78.4	78.7	80.4	81.0	81.2	82.0	82.5	82.6	82.9	83.0	83.1	83.2	83.2	83.4	83.5
[illegible]	75.9	78.5	78.8	80.7	81.2	81.3	82.1	82.6	82.7	83.0	83.1	83.2	83.3	83.3	83.5	83.7
[illegible]	76.2	78.9	79.2	81.4	82.0	82.2	82.9	83.1	83.2	83.5	84.0	84.1	84.3	84.6	84.6	84.8	84.9
[illegible]	76.5	79.2	79.5	81.1	82.3	82.4	83.2	83.4	83.4	83.7	84.2	84.4	84.6	84.9	85.0	85.1	85.2
[illegible]	77.1	79.9	80.2	81.9	82.9	83.0	83.8	84.0	84.0	84.3	84.8	85.0	85.2	85.4	85.5	85.6	85.7
[illegible]	77.3	80.4	80.7	82.5	83.5	83.7	84.5	84.7	84.7	85.0	85.5	85.7	85.9	86.1	86.2	86.3	86.4
[illegible]	77.4	80.6	80.9	82.7	83.8	84.0	84.8	85.0	85.0	85.3	85.8	86.0	86.2	86.4	86.5	86.6	86.7
[illegible]	77.6	80.9	81.2	83.0	84.1	84.3	85.1	85.3	85.3	85.6	86.1	86.3	86.5	86.7	86.8	86.9	87.0
[illegible]	77.6	80.9	81.2	83.0	84.1	84.3	85.1	85.3	85.3	85.6	86.1	86.3	86.5	86.7	86.8	86.9	87.0
[illegible]	77.6	80.9	81.2	83.0	84.1	84.3	85.1	85.3	85.3	85.6	86.1	86.3	86.5	86.7	86.8	86.9	87.0
[illegible]	77.6	80.9	81.2	83.0	84.1	84.3	85.1	85.3	85.3	85.6	86.1	86.3	86.5	86.7	86.8	86.9	87.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 74-87
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 7/8	GE 3/4	GE 1/2	GE 7/16	GE 1/4	GE 0
GE CEIL	51.9	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6
	57.8	58.6	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.2	59.2
	58.1	58.8	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.4	59.4	59.5	59.5
	58.2	58.9	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.5	59.5	59.6	59.6
	59.9	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.3	60.3
	61.1	60.9	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.4	61.4	61.5	61.5
	62.2	62.4	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.7	63.7	63.8	63.8
	62.3	63.0	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.8	63.8	63.9	63.9
	64.7	65.5	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.4	66.3	66.5	66.5
	65.7	66.5	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.3	67.3	67.4	67.4
	66.1	66.9	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.7	67.7	67.8	67.8
	67.0	68.1	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.9	68.9	69.0	69.0
	67.9	68.9	69.1	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.9	69.9	70.0	70.0
	69.8	70.9	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.5	71.5	71.6	71.6
	70.9	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.3	72.3	72.4	72.4
	72.7	73.7	74.1	74.2	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.8	75.1	75.1	75.2	75.2
	73.7	74.5	74.8	75.2	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.8	76.0	76.0	76.1	76.1
	73.8	75.5	75.8	76.3	76.7	76.7	76.9	76.9	77.0	77.1	77.1	77.2	77.4	77.4	77.5	77.5
	74.3	75.3	76.3	76.9	77.2	77.3	77.4	77.5	77.6	77.7	77.7	77.8	78.1	78.1	78.2	78.2
	75.5	77.5	78.3	79.1	79.5	79.6	79.7	79.9	80.0	80.1	80.3	80.4	80.8	80.8	80.9	80.9
	76.2	78.7	79.7	81.0	81.6	82.0	82.1	82.4	82.6	82.8	82.9	83.0	83.2	83.2	83.3	83.3
	77.2	79.3	81.4	82.7	83.2	83.4	83.6	84.4	84.5	85.1	85.1	85.2	85.5	85.5	85.6	85.6
	77.2	81.2	82.3	83.0	84.1	84.3	84.7	85.3	85.4	85.9	85.9	86.0	86.3	86.3	86.5	86.5
	78.3	81.5	82.9	84.2	84.7	84.9	85.6	86.2	86.4	86.7	87.2	87.3	87.4	87.7	87.6	87.6
	78.6	82.3	83.8	85.1	85.6	85.8	86.6	87.2	87.4	87.7	88.2	88.4	88.6	89.1	89.2	89.4
	78.6	82.9	84.4	85.9	86.5	86.7	87.5	88.2	88.4	88.7	89.2	89.3	89.8	90.2	90.3	90.4
	79.0	83.5	85.3	87.2	87.7	88.1	89.2	90.0	91.0	92.1	92.5	92.7	92.2	92.6	92.7	92.8
	79.6	83.7	85.9	88.1	89.2	89.6	90.8	92.0	92.7	94.1	94.1	94.3	94.7	94.8	94.9	94.9
	79.9	84.3	86.7	89.8	90.2	90.5	92.2	94.1	94.4	95.4	95.5	95.7	96.2	96.3	96.6	96.7
	79.9	84.5	86.7	90.3	90.8	91.2	92.7	94.4	94.7	95.8	96.0	96.6	97.4	97.6	97.8	98.6
	79.9	84.5	86.7	90.3	90.8	91.2	92.7	94.4	94.7	95.8	96.0	97.1	98.1	98.5	98.7	100.0
	79.9	84.5	86.7	90.3	90.8	91.2	92.7	94.4	94.7	95.8	96.0	97.1	98.1	98.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 992

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: FELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: MAY HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 3/4	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 20000	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 15000	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 10000	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 7000	57.4	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	59.6	59.6	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
GE 3000	62.0	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	62.8
GE 2000	62.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 1500	65.7	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 1000	66.9	67.0	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 700	67.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 500	69.3	69.7	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	69.9
GE 400	69.8	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 300	72.9	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 200	73.2	74.7	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 150	76.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 100	76.1	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.5	79.5	79.5	79.5	79.5	79.5
GE 70	77.4	80.6	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.8	81.8	81.9	81.9	81.9	81.9
GE 50	79.7	81.1	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	82.3	82.3	82.4	82.4	82.4	82.4
GE 30	80.2	82.7	84.1	84.4	84.6	84.6	84.7	84.7	84.7	84.7	85.2	85.4	85.6	85.6	85.6	85.6
GE 20	80.8	84.6	85.1	85.5	85.7	85.8	85.9	85.9	85.9	85.9	86.5	86.6	86.7	86.7	86.7	86.7
GE 15	82.4	87.1	87.6	88.1	88.5	88.6	88.7	88.8	88.8	88.8	89.7	89.8	89.9	89.9	89.9	89.9
GE 10	82.7	87.5	88.2	88.6	89.0	89.1	89.2	89.3	89.3	89.3	90.1	90.2	90.3	90.3	90.3	90.3
GE 7	83.1	88.4	89.1	89.5	90.3	90.4	90.5	90.6	90.6	90.6	91.5	91.6	92.2	92.2	92.2	92.2
GE 5	83.2	88.7	89.5	90.1	90.8	90.9	91.0	91.1	91.1	91.2	92.4	92.7	93.1	93.1	93.1	93.1
GE 4	83.2	88.8	89.6	90.3	91.0	91.2	91.3	91.4	91.4	91.7	92.8	93.1	94.5	94.5	94.5	94.5
GE 3	84.7	89.6	90.5	91.4	92.2	92.4	92.7	92.8	92.8	93.1	95.1	95.4	96.3	96.3	96.3	96.3
GE 2	84.7	89.9	91.0	91.9	92.8	93.1	93.4	93.5	93.6	93.9	95.7	96.0	96.9	96.9	97.0	97.0
GE 1	84.8	90.3	91.4	92.3	93.2	93.7	94.0	94.2	94.3	94.6	96.5	97.1	97.7	98.4	98.4	98.7
GE 0	84.8	90.3	91.4	92.3	93.2	93.7	94.0	94.2	94.3	94.6	96.5	97.1	97.7	98.4	98.5	99.9
	84.8	90.3	91.4	92.3	93.2	93.7	94.0	94.2	94.3	94.6	96.5	97.1	97.7	98.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 737

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: FTS WORTH AFB TX

PERIOD OF RECORD: 76-87
MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	5/16	1/4	0
NO CEIL	46.3	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
	59.0	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
	59.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
	59.4	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
	62.5	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
	62.5	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
	66.9	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
	69.5	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
	69.7	70.3	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	71.1	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
	71.7	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
	72.5	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	77.1	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
	77.1	78.9	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
	78.4	80.5	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
	79.5	82.2	82.5	82.5	82.5	82.5	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
	81.4	85.1	85.5	85.6	85.7	85.7	85.8	85.9	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2
	83.5	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
	87.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
	87.4	88.3	88.7	89.1	89.2	89.4	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
	89.7	92.2	92.7	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	90.1	94.0	95.0	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
	91.4	95.2	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	91.5	95.4	96.9	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
	91.6	95.5	97.0	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	91.6	95.5	97.0	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	91.6	95.5	97.0	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	91.6	95.5	97.0	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	91.6	95.5	97.0	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS: 9437

...AL CLIMATOLOGY BRANCH
...ETTAR
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72606 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 74-87
MONTH: MAR HOURS(LST): 1...-2...

CEILING	VISIBILITY IN STATUTE MILES														
	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	1/2	1/4	1/8	0
...IL	...4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
...	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
...	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
...	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
...	61.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
...	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
...	66.7	66.8	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
...	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
...	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
...	71.5	71.5	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
...	71.4	71.7	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
...	73.7	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
...	74.7	75.2	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
...	76.7	77.5	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
...	77.4	78.2	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
...	79.8	80.4	80.6	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
...	82.1	82.6	82.7	82.8	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
...	84.7	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
...	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
...	86.9	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0
...	87.4	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0
...	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
...	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
...	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
...	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
...	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
...	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
...	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
...	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
...	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
...	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
...	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
...	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
...	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
...	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
...	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
...	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
...	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
...	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
...	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
...	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
...	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
...	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
...	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
...	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
...	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
...	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
...	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
...	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
...	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
...	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
...	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
...	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
...	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
...	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
...	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
...	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
...	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

GLOBAL CLIMATOLOGY BRANCH
CARETAC
USAF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72[illegible] STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 7[illegible]-87
MONTH: MAR HOURS(LST): 2100-2300

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 7/8	GE 3/4	GE 1/2	GE 7/16	GE 1/4	GE 0
GE CEIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 15000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] TOTAL NUMBER OF OBSERVATIONS [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72606 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 74-87
MONTH: MAR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	TOTAL	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 1/2	GE 3/8	GE 1/4	GE 1/16	GE 0
CEIL	91.7	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5
	95.2	59.4	59.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2
	95.2	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
	94.8	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6
	94.6	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6
	91.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0
	64.4	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5
	64.5	64.5	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9
	67.4	67.3	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8
	67.5	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4
	67.9	69.8	69.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3
	77.1	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9
	71.9	71.1	71.3	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
	77.1	73.5	73.6	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0
	77.1	74.6	74.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1
	77.4	76.5	76.7	76.9	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.4
	78.1	77.7	78.0	78.2	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.8	78.8
	79.5	79.4	79.7	80.0	80.3	80.3	80.3	80.4	80.4	80.5	80.5	80.5	80.6	81.0	81.0	81.0
	79.7	79.7	80.1	80.4	80.6	80.7	80.7	80.8	80.8	80.9	80.9	80.9	81.0	81.0	81.1	81.1
	79.7	81.5	81.7	82.1	82.4	82.5	82.5	82.6	82.6	82.7	82.7	82.8	82.9	82.9	82.9	82.9
	79.4	83.4	83.7	83.7	83.8	83.8	83.9	83.9	84.0	84.1	84.2	84.2	84.3	84.3	84.4	84.4
	85.7	85.4	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.2	86.2	86.3	86.3	86.3	86.3
	87.8	86.2	86.4	86.5	86.7	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1
	91.2	87.4	87.6	87.8	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3
	91.7	89.4	89.6	89.8	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1
	92.1	90.7	91.2	91.4	91.6	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
	94.9	93.4	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2
	95.4	94.1	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8
	96.1	95.0	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7
	96.5	95.6	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3
	96.9	96.2	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9
	97.2	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4
	97.4	97.0	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
	97.6	97.2	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9
	97.8	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1
	98.0	97.6	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3
	98.2	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
	98.4	98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7
	98.6	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
	98.8	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
	99.0	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3
	99.2	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
	99.4	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
	99.6	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
	99.8	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7344

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 76-87
MONTH: APR HOURS(LST): 0000-0400

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	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 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
CLR-GE 25000	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 20000	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 18000	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	66.6	66.6	66.6
GE 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 14000	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 12000	68.4	68.4	68.4	68.4	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 10000	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 9000	71.4	71.4	71.4	71.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 8000	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 7000	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 6000	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.1	77.1
GE 5000	78.7	78.8	78.8	78.8	78.8	78.8	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.3	79.3
GE 4500	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.6	80.6
GE 4000	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.1	82.1
GE 3500	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.9	82.9
GE 3000	83.0	83.0	83.0	83.0	83.0	83.0	83.2	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.4	84.4
GE 2500	84.1	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 2200	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 2000	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 1800	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 1600	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 1400	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 1200	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 1000	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 900	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 800	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 700	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 600	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 500	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 400	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 300	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 200	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
GE 100	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3
ALL	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3

* TOTAL NUMBER OF OBSERVATIONS: 7944

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 9/16	GE 1/4	GE 0
GE [illegible]	63.7	63.2	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1
GE 200	64.8	64.2	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
GE 300	64.8	64.2	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
GE 400	64.8	64.4	64.8	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
GE 500	65.1	65.6	65.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
GE 600	66.0	66.4	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.6	67.6
GE 700	67.6	68.3	68.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.4	69.4
GE 800	68.9	69.2	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.3	70.3
GE 900	71.0	71.4	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.6	72.6
GE 1000	71.6	71.9	72.2	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	73.0	73.0
GE 1100	72.8	73.2	73.6	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.3	74.3
GE 1200	75.2	75.6	76.2	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.2	77.2
GE 1300	76.7	76.9	77.5	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.2	78.2
GE 1400	79.0	79.3	80.1	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	81.0	81.0
GE 1500	79.6	80.0	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.8	81.8
GE 1600	81.4	82.3	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.7	83.7
GE 1700	82.7	83.1	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.6	84.6
GE 1800	82.8	83.3	83.8	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.8	84.8
GE 1900	82.9	83.3	83.8	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.8	84.8
GE 2000	82.9	83.7	84.1	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	85.1	85.1
GE 2100	84.1	84.9	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.3	86.3
GE 2200	84.7	85.6	86.1	86.4	86.6	86.6	86.9	86.9	86.9	87.0	87.0	87.1	87.1	87.1	87.3	87.3
GE 2300	84.7	85.9	86.4	86.8	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.4	87.4	87.4	87.7	87.7
GE 2400	84.9	86.1	86.7	87.2	87.5	87.3	87.4	87.7	87.7	87.8	87.8	87.9	87.9	87.9	88.1	88.1
GE 2500	85.6	86.8	87.3	87.7	88.1	88.1	88.2	88.6	88.6	88.7	88.7	88.8	88.8	88.8	89.0	89.0
GE 2600	85.7	87.0	87.6	88.0	88.4	88.6	88.6	88.9	88.9	89.1	89.1	89.2	89.3	89.3	89.6	89.6
GE 2700	86.7	88.0	88.6	89.1	89.7	89.7	89.9	90.2	90.2	90.4	90.6	90.7	90.7	90.7	91.0	91.0
GE 2800	87.6	89.0	89.7	90.1	90.7	90.7	91.1	91.3	91.3	91.7	91.9	91.9	91.9	91.9	92.3	92.3
GE 2900	88.1	89.4	90.1	90.4	91.1	91.1	91.3	91.8	91.8	92.2	92.4	92.4	92.4	92.4	92.8	92.8
GE 3000	88.1	89.6	90.6	91.0	91.7	92.1	92.3	92.6	92.6	93.1	93.3	93.4	93.4	93.4	93.8	93.8
GE 3100	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3200	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3300	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3400	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3500	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3600	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
ALL	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS: 936

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 9/16	GE 1/4	GE 0
GE [illegible]	63.7	63.2	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1
GE 200	64.8	64.2	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
GE 300	64.8	64.2	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
GE 400	64.8	64.4	64.8	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
GE 500	65.1	65.6	65.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
GE 600	66.0	66.4	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.6	67.6
GE 700	67.6	68.3	68.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.4	69.4
GE 800	68.9	69.2	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.3	70.3
GE 900	71.0	71.4	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.6	72.6
GE 1000	71.6	71.9	72.2	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	73.0	73.0
GE 1100	72.8	73.2	73.6	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.3	74.3
GE 1200	75.2	75.6	76.2	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.2	77.2
GE 1300	76.7	76.9	77.5	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.2	78.2
GE 1400	79.0	79.3	80.1	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	81.0	81.0
GE 1500	79.6	80.0	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.8	81.8
GE 1600	81.4	82.3	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.7	83.7
GE 1700	82.7	83.1	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.6	84.6
GE 1800	82.8	83.3	83.8	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.8	84.8
GE 1900	82.9	83.3	83.8	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.8	84.8
GE 2000	82.9	83.7	84.1	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	85.1	85.1
GE 2100	84.1	84.9	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.3	86.3
GE 2200	84.7	85.6	86.1	86.4	86.6	86.6	86.9	86.9	86.9	87.0	87.0	87.1	87.1	87.1	87.3	87.3
GE 2300	84.7	85.9	86.4	86.8	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.4	87.4	87.4	87.7	87.7
GE 2400	84.9	86.1	86.7	87.2	87.5	87.3	87.4	87.7	87.7	87.8	87.8	87.9	87.9	87.9	88.1	88.1
GE 2500	85.6	86.8	87.3	87.7	88.1	88.1	88.2	88.6	88.6	88.7	88.7	88.8	88.8	88.8	89.0	89.0
GE 2600	85.7	87.0	87.6	88.0	88.4	88.6	88.6	88.9	88.9	89.1	89.1	89.2	89.3	89.3	89.6	89.6
GE 2700	86.7	88.0	88.6	89.1	89.7	89.7	89.9	90.2	90.2	90.4	90.6	90.7	90.7	90.7	91.0	91.0
GE 2800	87.6	89.0	89.7	90.1	90.7	90.7	91.1	91.3	91.3	91.7	91.9	91.9	91.9	91.9	92.3	92.3
GE 2900	88.1	89.4	90.1	90.4	91.1	91.1	91.3	91.8	91.8	92.2	92.4	92.4	92.4	92.4	92.8	92.8
GE 3000	88.1	89.6	90.6	91.0	91.7	92.1	92.3	92.6	92.6	93.1	93.3	93.4	93.4	93.4	93.8	93.8
GE 3100	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3200	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3300	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3400	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3500	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
GE 3600	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0
ALL	88.1	89.6	90.6	91.0	91.7	92.3	92.5	92.8	92.8	93.3	93.5	93.6	93.6	93.6	94.0	94.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-82
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 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	61.2	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.1	62.1	62.2	62.2
GE 25000	60.8	61.3	61.4	61.4	61.8	61.8	61.8	61.9	61.9	62.0	62.0	62.0	62.1	62.1	62.2	62.2
GE 18000	61.7	62.2	62.3	62.3	62.7	62.7	62.7	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.1	63.1
GE 16000	61.8	62.3	62.4	62.4	62.8	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.2	63.2
GE 14000	62.6	63.1	63.2	63.2	63.6	63.6	63.6	63.7	63.7	63.8	63.8	63.8	63.9	63.9	64.0	64.0
GE 12000	63.7	64.3	64.4	64.4	65.1	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.6	65.6
GE 10000	66.2	66.9	67.0	67.2	67.7	67.7	67.7	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.1
GE 9000	67.4	68.1	68.2	68.4	68.9	68.9	68.9	69.0	69.0	69.1	69.1	69.1	69.2	69.2	69.3	69.3
GE 8000	70.7	71.6	71.8	72.0	72.4	72.4	72.4	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.9	72.9
GE 7000	71.1	72.0	72.2	72.4	72.9	72.9	72.9	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.3	73.3
GE 6000	71.6	72.6	72.8	73.0	73.4	73.4	73.4	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.9	73.9
GE 5000	73.4	74.4	74.6	74.9	75.6	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.2	76.2
GE 4500	74.2	75.4	75.7	75.9	76.3	76.4	76.6	76.7	76.7	76.8	76.8	76.8	76.9	76.9	77.0	77.0
GE 4000	76.4	77.7	78.0	78.3	78.9	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.5	79.5
GE 3500	77.0	78.3	78.7	79.0	79.6	79.7	79.9	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.6	80.6
GE 3000	78.2	79.6	79.9	80.2	80.9	81.0	81.2	81.3	81.3	81.4	81.4	81.4	81.6	81.6	81.9	81.9
GE 2500	78.8	80.1	80.4	80.8	81.6	81.7	81.9	82.0	82.0	82.1	82.2	82.2	82.3	82.3	82.7	82.7
GE 2000	79.9	81.2	81.7	82.0	82.9	82.9	83.1	83.2	83.3	83.4	83.6	83.6	83.7	83.7	84.0	84.0
GE 1800	79.9	81.2	81.7	82.0	82.8	82.9	83.1	83.2	83.3	83.4	83.6	83.6	83.7	83.7	84.0	84.0
GE 1600	80.1	82.2	82.7	83.0	83.8	83.9	84.1	84.2	84.3	84.4	84.6	84.6	84.7	84.7	85.0	85.0
GE 1400	82.2	83.7	84.1	84.6	85.4	85.6	85.8	85.9	86.0	86.1	86.2	86.2	86.3	86.3	86.7	86.7
GE 1200	87.0	88.7	89.2	89.7	86.7	86.9	87.2	87.3	87.4	87.6	87.7	87.7	87.8	87.8	88.1	88.1
GE 1000	87.7	89.5	89.6	89.9	87.0	87.2	87.6	87.7	87.8	87.9	88.0	88.0	88.1	88.1	88.4	88.4
GE 900	88.9	89.7	90.2	90.7	87.7	87.9	88.2	88.3	88.4	88.6	88.7	88.7	88.8	88.8	89.1	89.1
GE 800	89.1	90.1	90.7	91.1	88.1	88.3	88.6	88.7	88.9	89.1	89.2	89.2	89.4	89.4	89.9	89.9
GE 700	89.3	90.4	91.0	91.4	88.3	88.6	88.9	89.0	89.1	89.3	89.4	89.4	89.6	89.6	90.1	90.1
GE 600	90.4	91.6	92.2	92.7	89.2	89.4	89.9	90.1	90.2	90.3	90.6	90.6	90.8	90.8	91.2	91.2
GE 500	92.0	93.2	93.8	94.4	90.7	90.9	91.4	91.6	91.7	92.1	92.5	92.7	93.2	93.4	93.9	94.0
GE 400	93.6	94.9	95.7	96.4	91.7	91.9	92.4	92.7	93.1	94.0	94.4	94.8	95.3	95.3	95.6	95.7
GE 300	95.1	96.4	97.3	98.1	89.0	90.0	91.6	92.0	93.3	93.8	94.9	95.7	96.3	97.0	97.1	98.2	98.4
GE 200	95.1	96.4	97.3	98.1	89.0	90.0	91.3	91.6	92.2	93.4	94.5	95.2	96.2	96.9	97.6	97.7	99.2	99.7
GE 0	95.1	96.4	97.3	98.1	89.0	90.0	91.3	91.6	92.2	93.4	94.5	95.2	96.2	96.9	97.6	97.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 933

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

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

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
GE CEIL	49.9	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	
GE 20000	59.1	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.2	
GE 10000	59.1	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.2	
GE 5000	59.2	59.8	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.3	60.3	
GE 3000	60.9	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.0	
GE 2000	61.8	62.4	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.0	
GE 1500	64.9	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	
GE 1000	65.6	66.2	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0	
GE 800	68.1	68.7	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.5	69.5	
GE 600	69.8	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.2	71.2	
GE 400	70.8	71.6	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.4	72.4	
GE 300	73.1	73.4	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.3	74.3	
GE 200	73.9	74.3	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.2	75.2	
GE 100	74.8	76.1	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.0	77.0	
GE 50	76.7	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	79.1	79.1	
GE 0	78.8	80.2	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	81.1	81.1	
GE 20000	80.9	81.6	81.9	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.8	82.8	
GE 10000	82.9	83.2	83.5	83.6	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	
GE 5000	83.0	83.3	83.6	83.7	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.4	84.4	
GE 3000	82.9	84.9	85.2	85.3	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.4	86.4	
GE 2000	84.7	86.7	87.0	87.1	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.4	88.4	
GE 1500	85.5	88.6	88.9	89.0	90.0	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.7	90.7	
GE 1000	85.9	88.7	89.0	89.1	90.1	90.1	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.8	90.8	
GE 800	86.3	89.4	89.8	90.0	90.9	90.9	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.9	91.9	
GE 600	86.4	89.7	90.1	90.2	91.3	91.3	91.4	91.4	92.0	92.0	92.0	92.0	92.1	92.4	92.4	
GE 400	86.6	89.9	90.4	90.5	91.1	92.0	92.0	92.1	92.1	92.7	92.7	92.7	92.8	92.8	93.1	93.1
GE 300	86.7	90.0	90.4	90.5	91.5	92.7	92.8	93.0	93.0	93.8	94.1	94.1	94.2	94.2	94.6	94.6
GE 200	86.7	90.6	91.0	91.1	92.4	93.7	93.8	94.1	94.1	95.1	95.6	95.7	95.8	95.8	96.1	96.1
GE 100	87.1	90.7	91.2	91.3	92.6	93.8	93.9	94.4	94.6	95.7	96.3	96.6	96.8	97.0	97.1	97.4
GE 50	87.0	90.7	91.2	91.3	92.5	93.6	93.9	94.6	95.1	96.3	97.2	97.6	97.8	98.2	98.6	99.1	99.1
GE 0	87.0	90.8	91.3	91.4	92.7	93.9	94.3	94.7	95.2	96.4	97.3	97.7	98.0	98.6	99.1	99.9	99.9
	87.0	90.8	91.4	91.5	92.7	93.9	94.3	94.7	95.2	96.4	97.3	97.7	98.0	98.6	99.1	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: APR 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 7/16	GE 1/4	GE 0
99 CEIL	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
22000	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
15000	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	57.7	57.8
10000	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	57.7	57.8
8000	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	58.7	58.8
6000	59.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
5000	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
4000	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4
3500	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
3000	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
2500	69.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6
2200	72.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
1800	73.8	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	75.1
1600	78.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4
1400	80.1	81.3	81.3	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.8
1200	82.8	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9
1000	84.2	86.0	86.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7
900	84.9	86.9	86.9	87.0	87.1	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.8
800	85.0	87.0	87.0	87.1	87.2	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.9
700	86.9	88.9	88.9	89.1	89.2	89.2	89.4	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	90.1
600	87.5	90.1	90.2	90.4	90.7	90.7	90.9	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.7
500	88.7	91.2	91.4	91.6	92.0	92.0	92.2	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	93.0
450	89.1	91.9	92.1	92.4	92.6	92.6	93.0	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.6
400	89.1	92.0	92.2	92.6	92.9	92.9	93.2	93.4	93.4	93.9	93.9	94.0	94.0	94.0	94.0	94.3
300	89.1	92.0	92.3	92.7	93.0	93.0	93.3	93.6	93.6	94.1	94.1	94.2	94.2	94.2	94.2	94.6
200	89.1	92.0	92.3	92.7	93.0	93.4	93.8	94.2	94.2	94.6	94.6	94.7	94.7	94.7	94.7	95.0
150	89.1	92.0	92.3	93.4	94.2	94.2	94.6	94.9	95.1	95.6	95.9	96.0	96.0	96.0	96.0	96.3
100	89.1	92.0	92.3	93.4	94.2	94.7	95.3	95.7	96.0	96.7	96.8	96.9	97.3	97.3	97.3	97.7
70	89.1	92.0	92.3	93.4	94.2	94.7	95.3	95.7	96.2	97.0	97.1	97.2	97.9	98.1	98.1	98.4
50	89.1	92.3	93.1	93.4	95.1	95.1	95.8	96.4	97.0	97.9	98.1	98.4	99.3	99.6	99.6	99.9
0	89.1	92.3	93.1	93.4	95.1	95.1	95.8	96.4	97.0	97.9	98.1	98.4	99.3	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 956

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 11	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 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
GE CEIL	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	44.3
GE 20000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 18000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 16000	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 14000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 10000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 9000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 8000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 7000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 5000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4500	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3500	81.4	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 3000	84.5	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.6
GE 2500	85.9	87.3	87.4	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	88.1
GE 2000	86.4	88.6	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	89.0	89.1	89.1	89.1	89.4
GE 1800	86.9	88.6	88.7	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.4	89.4	89.4	89.6
GE 1600	87.4	89.3	89.6	89.9	90.1	90.1	90.3	90.4	90.4	90.6	90.6	90.7	90.8	90.8	90.8	91.1
GE 1400	89.7	90.9	91.3	91.5	92.0	92.0	92.2	92.6	92.6	92.7	92.7	92.8	92.9	92.9	92.9	93.2
GE 1200	90.0	91.8	92.2	92.7	93.0	93.0	93.2	93.6	93.6	93.7	93.8	93.9	94.0	94.0	94.0	94.3
GE 1000	89.1	91.6	92.3	92.9	93.2	93.2	93.4	93.8	93.8	93.9	94.0	94.1	94.2	94.2	94.2	94.6
GE 900	89.7	92.0	92.6	93.1	93.4	93.4	93.7	94.0	94.0	94.3	94.4	94.5	95.1	95.1	95.1	95.4
GE 800	89.8	92.0	92.6	93.1	93.4	93.4	93.7	94.0	94.0	94.3	94.4	94.5	95.2	95.2	95.2	95.6
GE 700	89.8	92.0	92.6	93.1	93.4	93.4	93.7	94.0	94.0	94.3	94.4	94.5	95.2	95.2	95.2	95.6
GE 600	89.8	92.7	93.3	94.0	94.3	94.3	94.7	95.1	95.1	95.6	95.7	96.2	96.7	96.7	96.7	97.0
GE 500	89.8	92.7	93.3	94.0	94.6	94.6	94.9	95.3	95.3	96.2	96.3	97.1	97.9	98.0	98.0	98.3
GE 400	89.8	92.8	93.4	94.1	94.7	94.7	95.0	95.4	95.4	96.3	97.1	97.4	98.2	98.3	98.3	98.7
GE 300	89.8	92.8	93.7	94.3	95.2	95.2	95.7	95.8	95.8	97.1	97.9	98.4	99.3	99.4	99.4	99.8
GE 200	89.8	92.8	93.7	94.3	95.2	95.2	95.7	95.8	95.8	97.1	97.9	98.4	99.3	99.4	99.4	100.0
GE 100	89.8	92.8	93.7	94.3	95.2	95.2	95.7	95.8	95.8	97.1	97.9	98.4	99.3	99.4	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: 726625 STATION NAME: ELLSWORTH AFB SD

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
GE CEIL	97.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 20000	62.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3
GE 15000	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.6	61.6	61.6
GE 10000	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.6	61.6	61.6
GE 9000	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0
GE 8000	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7
GE 7000	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4
GE 6000	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
GE 5000	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1
GE 4000	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0
GE 3500	76.2	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0
GE 3000	77.8	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
GE 2500	78.0	78.6	78.9	78.9	79.0	79.0	79.0	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1
GE 2000	80.1	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4
GE 1800	82.1	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4
GE 1500	84.3	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.8	85.8	85.8
GE 1200	85.4	86.6	86.8	86.8	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3
GE 1000	86.1	87.3	87.6	87.6	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1
GE 900	86.3	87.6	87.8	87.8	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.3	88.3	88.3
GE 800	87.8	89.1	89.7	89.7	90.0	90.0	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.6	90.6	90.6
GE 700	88.3	89.6	90.3	90.4	90.6	90.6	90.8	91.0	91.1	91.1	91.2	91.2	91.6	91.8	91.8	91.8
GE 600	89.9	90.4	91.1	91.2	91.6	91.6	91.6	91.7	91.9	91.9	92.0	92.0	92.3	92.6	92.6	92.6
GE 500	89.9	90.4	91.1	91.2	91.6	91.6	91.6	91.8	91.9	91.9	92.0	92.0	92.3	92.6	92.6	92.6
GE 400	90.0	90.6	91.2	91.3	91.7	91.7	91.7	92.0	92.1	92.1	92.2	92.2	92.6	92.8	92.8	92.8
GE 300	90.5	91.6	91.2	91.3	91.7	91.7	91.7	92.0	92.1	92.6	92.8	92.8	93.1	93.3	93.3	93.3
GE 200	90.9	91.7	91.3	91.4	91.8	91.8	91.8	92.1	92.3	92.8	93.0	93.0	93.4	93.6	93.6	93.6
GE 150	91.9	92.7	92.1	92.2	92.4	92.4	92.4	92.8	93.1	93.6	94.0	94.3	94.7	94.9	95.0	95.0
GE 100	92.0	92.9	92.2	92.4	92.8	92.8	93.0	93.4	93.8	94.7	95.1	95.2	95.7	95.9	96.0	96.0
GE 70	92.2	93.1	93.2	93.4	93.9	93.9	94.2	94.6	95.1	96.4	96.9	97.1	97.7	98.0	98.2	98.2
GE 50	92.2	93.1	93.2	93.6	94.2	94.2	94.6	95.1	95.7	96.9	97.6	98.1	99.0	99.3	99.8	99.8
GE 0	92.2	93.1	93.2	93.6	94.2	94.2	94.6	95.1	95.7	97.1	97.8	98.3	99.2	99.6	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: APR 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 7/16	GE 1/4	GE 0
GE CEIL	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 20000	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	
GE 10000	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	
GE 5000	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 3000	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	
GE 2000	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	
GE 1500	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	
GE 1000	71.7	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	
GE 700	74.7	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	
GE 500	75.7	75.8	75.9	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	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	
GE 300	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	
GE 200	82.2	82.7	82.7	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
GE 150	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	
GE 100	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
GE 70	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
GE 50	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
GE 30	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	
GE 20	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	
GE 10	88.2	88.4	88.6	88.6	88.6	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	
GE 0	89.7	89.9	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	
	89.8	90.1	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	
	90.0	90.4	90.4	90.6	90.6	90.6	90.6	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	
	90.3	90.9	90.9	91.0	91.0	91.0	91.1	91.6	91.9	91.9	91.9	91.9	92.0	92.0	92.0	
	90.4	90.2	90.9	91.3	91.3	91.3	91.4	91.9	92.2	92.2	92.2	92.2	92.3	92.3	92.3	
	90.7	91.6	92.3	92.4	92.6	92.6	92.9	93.6	93.9	93.9	93.9	93.9	94.0	94.0	94.0	
	90.0	92.0	92.4	93.2	93.2	93.2	93.2	94.4	95.0	95.1	95.1	95.1	95.2	95.2	95.2	
	89.1	92.9	93.7	94.2	94.4	94.4	94.6	95.9	96.6	96.9	97.1	97.3	97.6	97.6	97.6	
	89.2	93.1	93.8	94.3	94.7	94.7	94.8	96.2	97.2	97.4	97.7	98.1	99.1	99.2	99.3	99.7
GE	89.2	93.1	93.9	94.3	94.7	94.7	94.8	96.2	97.2	97.6	97.8	98.4	99.4	99.6	99.7	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: 726625 STATION NAME: ELLSWORTH AFB SD 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 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5
GE 25000	61.4	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0
GE 18000	61.6	61.9	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3
GE 14000	61.8	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4
GE 12000	63.0	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6
GE 10000	64.2	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.0
GE 9000	67.3	67.4	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
GE 8000	67.8	68.2	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6
GE 7000	71.0	71.6	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.1	72.1
GE 6000	71.8	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	73.0	73.0
GE 5000	73.2	73.9	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4
GE 4500	75.5	76.3	76.5	76.5	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9
GE 4000	76.4	77.2	77.3	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.8	77.8
GE 3500	78.9	79.8	79.9	80.0	80.1	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.5
GE 3000	80.2	81.1	81.3	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.9	81.9
GE 2500	81.9	82.9	83.1	83.2	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.8	83.8
GE 2000	85.2	86.3	86.5	86.6	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.1	86.1	86.1	86.3	86.3
GE 1800	85.6	86.8	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.3	87.3
GE 1600	85.9	87.1	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.6	87.6
GE 1400	86.2	87.4	87.5	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.9	87.9
GE 1200	86.7	88.0	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.6	88.6
GE 1000	87.4	88.7	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.3	89.3
GE 900	88.7	90.0	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.6	90.6
GE 800	89.2	90.5	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.1	91.1
GE 700	90.1	91.4	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	92.0	92.0
GE 600	90.8	92.1	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.7	92.7
GE 500	91.4	92.7	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.3	93.3
GE 400	92.1	93.4	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	94.0	94.0
GE 300	93.1	94.4	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	95.0	95.0
GE 200	94.1	95.4	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	96.0	96.0
GE 150	94.5	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.4	96.4
GE 100	94.8	96.1	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.7	96.7
GE 50	95.3	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2	97.2
GE 0	95.3	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 2210

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
Air WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726620 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
MONTH: MAY HOURS(LST): 0000-0200

CEILING (FT)	VISIBILITY IN STATUTE MILES: 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 7/8	GE 3/4	GE 1/2	GE 7/16	GE 1/4	GE 0
[illegible]	[illegible]	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
[illegible]	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
[illegible]	[illegible]	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
[illegible]	[illegible]	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
[illegible]	[illegible]	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
[illegible]	[illegible]	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
[illegible]	[illegible]	67.6	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
[illegible]	[illegible]	71.8	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
[illegible]	[illegible]	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
[illegible]	[illegible]	75.6	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
[illegible]	[illegible]	76.3	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
[illegible]	[illegible]	78.3	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
[illegible]	[illegible]	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
[illegible]	[illegible]	82.4	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
[illegible]	[illegible]	84.3	84.2	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
[illegible]	[illegible]	84.9	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
[illegible]	[illegible]	86.3	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
[illegible]	[illegible]	86.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
[illegible]	[illegible]	87.5	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
[illegible]	[illegible]	87.5	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
[illegible]	[illegible]	88.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
[illegible]	[illegible]	89.0	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
[illegible]	[illegible]	89.4	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	[illegible]	89.5	92.4	92.5	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
[illegible]	[illegible]	89.5	92.6	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
[illegible]	[illegible]	89.6	92.6	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
[illegible]	[illegible]	89.7	93.0	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
[illegible]	[illegible]	91.1	94.6	94.9	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8
[illegible]	[illegible]	92.2	95.7	96.2	96.7	96.8	96.8	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.7	97.7
[illegible]	[illegible]	92.3	96.1	96.6	97.2	97.3	97.3	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.4	98.4
[illegible]	[illegible]	92.3	96.3	97.0	97.5	97.6	97.6	98.2	98.4	98.4	98.7	98.7	98.9	99.0	99.0	99.2
[illegible]	[illegible]	92.3	96.5	97.1	97.6	97.7	97.7	98.3	98.6	98.6	98.9	99.0	99.2	99.5	99.6	99.9	100.0
[illegible]	[illegible]	92.3	96.5	97.1	97.6	97.7	97.7	98.3	98.6	98.6	98.9	99.0	99.2	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

[illegible] CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 726630 STATION NAME: [illegible] PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0300-0900

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	7	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	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.2	56.3
[illegible]	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.7	
[illegible]	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.7	
[illegible]	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.7	
[illegible]	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	63.0	63.1
[illegible]	64.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.8
[illegible]	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.7	
[illegible]	69.6	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.3	
[illegible]	72.7	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.7	73.8	
[illegible]	73.2	73.6	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.2	74.3	
[illegible]	74.8	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.2	
[illegible]	77.6	78.5	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.9	79.0	
[illegible]	79.2	80.5	80.6	80.6	80.6	80.6	80.6	80.7	80.8	80.9	80.9	80.9	80.9	81.0	81.1	
[illegible]	81.2	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.9	81.9	81.9	81.9	82.0	82.1	
[illegible]	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.4	
[illegible]	83.4	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.7	84.8	
[illegible]	84.4	84.9	85.1	85.2	85.2	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.6	
[illegible]	86.3	86.1	86.2	86.3	86.3	86.3	86.4	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.7	86.8
[illegible]	86.6	86.7	86.8	86.9	86.9	86.9	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.3
[illegible]	88.7	87.8	88.0	88.2	88.3	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.7
[illegible]	88.1	88.4	88.5	88.7	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.2	89.4	
[illegible]	88.7	89.4	89.5	89.8	90.0	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.4	90.5	
[illegible]	87.8	89.8	89.9	90.4	90.5	90.5	90.6	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.1	
[illegible]	87.2	90.2	90.3	91.0	91.1	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.5	91.6	
[illegible]	87.3	90.4	90.6	91.4	91.6	91.6	91.7	91.8	91.8	91.9	91.9	91.9	91.9	92.0	92.2	
[illegible]	87.4	90.6	90.9	91.6	91.9	91.9	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.4	92.6	
[illegible]	87.8	91.7	92.1	92.3	92.4	93.4	92.7	93.8	93.8	94.0	94.0	94.0	94.0	94.1	94.3	
[illegible]	86.5	92.6	93.1	94.2	94.6	94.6	95.1	95.3	95.3	96.0	96.0	96.0	96.0	96.1	96.2	
[illegible]	88.2	92.9	93.7	94.8	95.5	95.5	96.2	96.9	97.0	97.2	97.4	97.4	97.5	97.6	97.7	
[illegible]	88.7	93.0	93.9	94.9	95.7	95.7	96.9	97.1	97.1	98.1	98.2	98.5	98.6	98.8	98.9	99.0	99.1
[illegible]	88.3	93.0	93.9	94.9	95.7	95.7	96.9	97.1	97.1	98.1	98.3	98.5	98.6	98.9	99.0	99.1	99.4
[illegible]	88.3	93.0	93.9	94.9	95.7	95.7	96.9	97.1	97.1	98.1	98.3	98.5	98.6	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

[illegible] CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SPECIFIED VALUES OF VISIBILITY
[illegible] FROM HOURLY OBSERVATIONS
[illegible] AIR WEATHER SERVICE/MAC

STATION NUMBER: 726625 STATION NAME: FLESWORTH AFB SD PERIOD OF RECORD: 74-87
MONTHS: MAY HOURS/TIME ZONE: 2100-0800

[illegible]	VISIBILITY IN STATUTE MILES															
[illegible]	0	1/8	1/4	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10
[illegible]	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
[illegible]	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9
[illegible]	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9
[illegible]	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9
[illegible]	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
[illegible]	63.2	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7
[illegible]	66.1	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8
[illegible]	67.1	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7
[illegible]	71.1	71.6	71.6	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
[illegible]	72.2	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0
[illegible]	74.2	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1
[illegible]	77.2	77.7	77.7	77.7	77.7	77.7	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3
[illegible]	78.8	78.9	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4
[illegible]	79.9	80.1	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
[illegible]	80.9	81.1	81.2	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5
[illegible]	81.9	82.0	83.1	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5
[illegible]	82.6	82.9	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4
[illegible]	83.1	84.4	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3
[illegible]	83.7	84.5	84.9	84.9	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4
[illegible]	84.2	85.5	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5
[illegible]	84.4	86.2	86.6	86.6	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
[illegible]	85.8	88.0	88.5	88.5	88.5	88.6	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4
[illegible]	86.2	88.8	89.2	89.2	89.2	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1
[illegible]	86.2	89.0	89.6	89.9	89.9	90.0	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.8
[illegible]	86.7	90.5	90.9	90.9	90.9	90.9	91.2	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6
[illegible]	86.9	90.9	91.0	91.0	91.0	91.1	91.2	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.3
[illegible]	87.2	90.6	91.5	92.4	92.9	93.2	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
[illegible]	87.5	91.2	92.0	93.3	93.9	94.3	95.5	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.7
[illegible]	87.6	91.4	92.5	93.9	94.6	95.1	96.6	97.1	97.1	97.8	98.2	98.0	98.1	98.1	98.1	98.2	98.2	98.3
[illegible]	87.6	91.4	92.5	94.1	95.1	95.5	97.3	97.7	98.1	99.1	99.2	99.2	99.5	99.5	99.5	99.8	99.9	99.9
[illegible]	87.6	91.4	92.5	94.1	95.1	95.5	97.3	97.5	98.2	99.4	99.4	99.4	99.6	99.6	99.6	99.9	100.0	100.0
[illegible]	87.6	91.4	92.5	94.1	95.1	95.5	97.3	97.5	98.2	99.4	99.4	99.4	99.6	99.6	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72665 STATION NAME: FT LEAVENWORTH AFB KS PERIOD OF RECORD: 76-82
MONTH: MAY HOURS(LST): 0000-1159

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	1/2	1/4	1/8	1/16	0
20000+	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	72.0	72.0	72.0
15000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
10000	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	73.0
8000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
7000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
6000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
5000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
4500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
4000	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
3500	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
3000	79.8	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
2500	81.6	82.4	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	82.6
2000	82.9	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
1800	84.2	84.9	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
1500	86.0	86.5	86.1	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
1200	86.4	86.7	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1000	87.2	87.4	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
900	87.6	89.7	89.9	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
800	89.4	91.1	91.5	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
700	91.2	92.7	92.9	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1
600	91.7	92.4	92.4	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
500	92.7	93.5	93.2	93.4	93.5	93.8	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0
400	93.1	93.9	94.0	94.2	94.4	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8
300	93.2	93.9	94.5	94.4	95.5	95.7	95.7	95.7	95.7	96.2	96.0	96.0	96.2	96.2	96.2	96.2
200	94.0	94.3	94.4	95.5	96.2	96.5	96.7	96.8	96.8	97.5	97.5	97.7	97.7	97.8	97.8	98.1
100	93.3	93.4	95.0	95.7	96.5	97.0	97.5	97.7	97.7	98.6	98.6	98.8	98.8	98.9	98.9	99.1
0	93.3	93.4	95.2	95.7	96.5	97.0	97.6	97.8	98.0	99.1	99.1	99.1	99.7	99.7	99.8	100.0
M	93.3	93.4	95.2	95.7	96.5	97.0	97.6	97.8	98.0	99.1	99.1	99.1	99.7	99.7	99.8	100.0
9	93.7	93.4	95.2	95.7	96.5	97.0	97.6	97.8	98.0	99.1	99.1	99.1	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 938

...L CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...FAC FROM HOURLY OBSERVATIONS
...WEATHER SERVICE/MAC

TAPE NUMBER: 72662S STATION NAME: FELLSWORTH AFB SD PERIOD OF RECORD: ...-67
MONTHS: MAR HOURS(LST): 1...-14..

CEILING (HUNDREDS OF FEET)	VISIBILITY IN STATUTE MILES														
	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	1/2	1/4	1/16	0
...	91.7	91.6	91.4	91.4	91.3	91.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
...	93.1	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
...	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
...	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
...	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
...	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
...	59.3	59.3	59.3	59.3	59.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
...	60.1	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
...	63.1	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	63.8
...	64.1	64.6	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
...	65.7	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
...	70.2	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
...	72.5	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	73.3
...	74.0	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
...	78.4	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
...	79.8	85.4	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
...	79.8	86.1	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
...	85.7	87.7	88.2	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
...	87.8	88.5	89.2	89.9	89.9	89.9	89.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
...	87.7	90.2	90.4	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
...	88.7	91.4	91.8	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
...	88.6	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.8	93.8	93.8	93.8	93.8	93.8
...	89.7	93.4	93.7	94.1	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
...	89.9	93.8	94.3	94.5	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
...	90.1	94.1	94.5	94.7	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
...	90.2	94.1	94.6	94.9	95.4	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
...	90.5	94.4	95.3	95.7	96.3	96.9	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
...	90.5	94.8	95.6	96.1	96.9	97.4	98.1	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.7
...	90.6	94.7	95.7	96.5	97.3	97.8	98.7	98.9	98.9	99.6	99.7	99.7	99.7	99.7	99.8
...	90.6	94.7	95.7	96.5	97.3	97.8	98.7	98.9	98.9	99.8	99.9	99.9	99.9	99.9	100.0
...	90.6	94.7	95.7	96.5	97.3	97.8	98.7	98.9	98.9	99.8	99.9	99.9	99.9	99.9	100.0
...	90.6	94.7	95.7	96.5	97.3	97.8	98.7	98.9	98.9	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: ...

...AC CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...AFB/AC — FROM HOURLY OBSERVATIONS
...WEATHER SERVICE/MAC

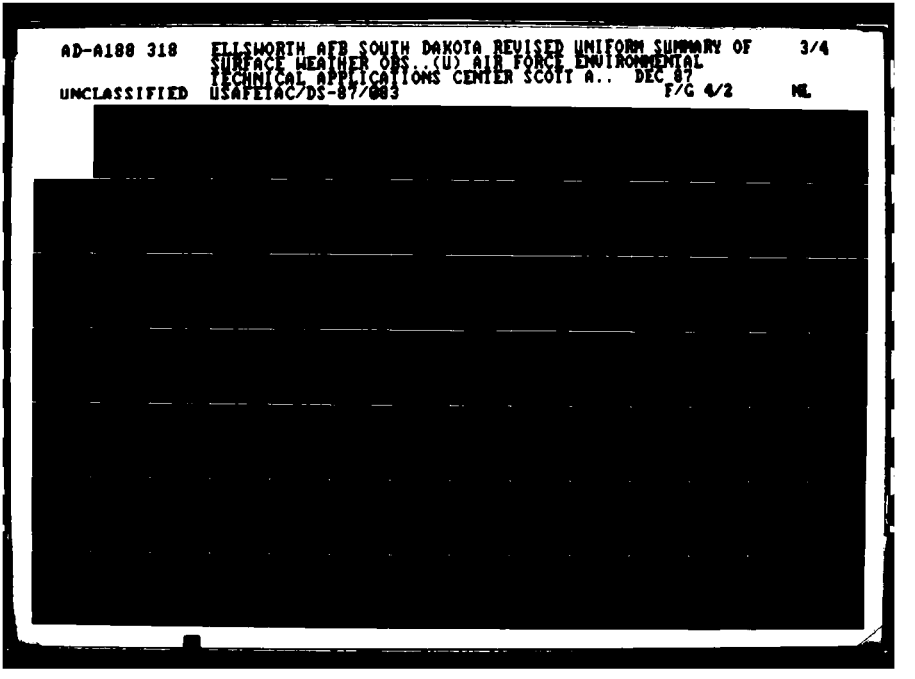
STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD — PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1500-1700

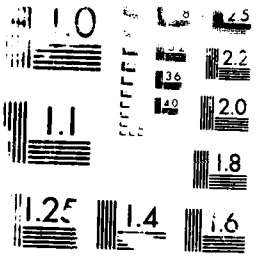
CEILING IN	VISIBILITY IN STATUTE MILES															
FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
...Clear	41.7	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
...	54.7	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
...	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
...	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
...	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	56.2
...	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
...	63.5	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
...	64.1	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
...	64.4	64.4	64.4	64.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
...	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
...	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
...	76.4	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
...	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
...	83.3	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
...	85.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
...	87.4	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
...	87.4	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
...	88.5	90.6	90.9	91.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
...	89.7	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
...	89.9	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
...	91.0	93.9	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
...	91.6	94.5	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
...	91.7	94.6	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
...	91.9	94.9	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
...	92.0	95.1	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
...	92.2	95.3	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
...	92.5	96.3	96.6	97.3	97.6	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
...	92.6	96.3	96.8	97.3	97.7	98.0	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
...	92.7	96.6	97.1	97.6	98.3	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
...	92.7	96.6	97.1	97.6	98.3	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
...	92.7	96.6	97.1	97.6	98.3	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
...	92.7	96.6	97.1	97.6	98.3	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 940

AD-A188 318 ELLSWORTH AFB SOUTH DAKOTA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBS ..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. DEC 87 3/4

UNCLASSIFIED USAFETAC/DS-87/003 F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
3.2
3.6
4.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1900-2000

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 7/16	GE 1/4	GE 0
NO CEIL	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 20000	58.6	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	58.9	58.9
GE 18000	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 16000	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 14000	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 12000	63.4	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	63.8	63.8
GE 10000	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 9000	69.9	70.1	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	70.2
GE 8000	75.3	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	75.6
GE 7000	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 6000	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 5000	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 4500	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	83.2	83.2	83.2
GE 4000	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3500	86.7	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3000	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 2500	89.8	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 2000	90.5	92.2	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1800	90.6	92.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1500	90.9	92.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1200	92.2	94.1	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1000	92.4	94.5	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	92.5	94.6	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	92.5	95.2	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	92.6	95.2	95.6	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 600	92.6	95.3	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 500	92.6	95.6	96.2	96.5	96.7	96.7	96.8	97.2	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7
GE 400	92.6	95.8	96.3	97.0	97.2	97.2	97.4	97.8	98.2	98.4	98.5	98.5	98.7	98.7	98.7	98.7
GE 300	92.7	96.1	96.7	97.5	97.7	97.7	98.1	98.9	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	92.7	96.3	96.9	97.7	98.0	98.0	98.3	99.1	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	92.7	96.3	96.9	97.7	98.0	98.0	98.3	99.1	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
E 0	92.7	96.3	96.9	97.7	98.0	98.0	98.3	99.1	99.5	99.7	99.8	99.8	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: MAY 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	61.6	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 20000	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 18000	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 16000	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 14000	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 12000	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 10000	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 9000	75.3	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	75.5	75.5
GE 8000	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 7000	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 6000	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 5000	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4500	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 4000	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 3500	86.9	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3000	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2200	89.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1800	89.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1500	90.7	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1200	92.9	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1000	91.3	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	91.4	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 800	91.7	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 700	91.6	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 600	91.9	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 500	92.3	96.2	96.3	96.3	96.5	96.5	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 400	92.4	96.9	97.1	97.3	97.5	97.5	97.6	98.0	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 300	92.5	97.0	97.5	97.7	98.0	98.0	99.1	98.6	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 200	92.5	97.3	97.8	98.2	98.4	98.4	98.5	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.9	99.9
GE 100	92.5	97.3	97.8	98.2	98.4	98.4	98.5	99.0	99.1	99.6	99.6	99.6	99.8	99.8	100.0	100.0
0	92.5	97.3	97.8	98.2	99.4	98.4	98.5	99.0	99.1	99.6	99.6	99.6	99.8	99.8	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: MAY 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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	51.8	52.1	52.1	52.1	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 20000	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
GE 18000	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 16000	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 14000	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0
GE 12000	63.5	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 10000	67.6	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 9000	68.3	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 8000	72.0	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6
GE 7000	72.9	73.4	73.4	73.4	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 6000	74.6	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 5000	78.0	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4500	79.1	79.7	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4000	81.9	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	82.9
GE 3500	83.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3000	84.6	85.6	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0
GE 2500	85.7	86.9	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2000	86.7	88.3	88.6	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1800	86.9	88.7	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500	87.8	89.8	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
GE 1200	88.7	91.0	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1000	89.3	91.9	92.2	92.4	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.9	92.8	92.8	92.8
GE 900	89.7	92.5	92.9	93.0	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 800	89.8	92.6	93.1	93.4	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 700	90.0	93.1	93.4	93.7	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2
GE 600	90.1	93.3	93.7	94.0	94.3	94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 500	90.4	94.2	94.7	95.2	95.6	95.7	96.0	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.5	96.5
GE 400	90.5	94.7	95.3	95.9	96.4	96.5	97.0	97.3	97.3	97.7	97.8	97.8	97.8	97.8	97.9	98.0
GE 300	90.6	94.9	95.6	96.4	96.9	97.1	97.7	98.2	98.3	98.7	98.8	98.8	98.9	98.9	99.0	99.0
GE 200	90.6	95.0	95.7	96.6	97.1	97.3	98.0	98.5	98.7	99.2	99.4	99.4	99.6	99.6	99.7	99.8
GE 100	90.6	95.0	95.8	96.6	97.1	97.3	98.1	98.6	98.7	99.3	99.4	99.4	99.7	99.7	99.8	99.9
0	90.6	95.0	95.8	96.6	97.1	97.3	98.1	98.6	98.7	99.3	99.4	99.4	99.7	99.7	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 25000	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 16000	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 14000	71.4	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	72.0	72.0
GE 12000	72.7	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	73.2
GE 10000	76.0	76.7	76.7	76.7	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 9000	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 8000	80.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 7000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 6000	82.8	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 5000	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4500	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 4000	90.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3500	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	93.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2500	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2 00	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1500	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	96.2	96.2	96.2
GE 1200	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	96.8	96.9	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	96.8	96.9	97.0	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 600	96.8	96.9	97.0	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	96.9	97.2	97.3	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 400	97.1	97.8	97.9	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	97.1	97.8	98.1	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	97.2	98.0	98.3	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 100	97.2	98.1	98.4	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6
GE 0	97.2	98.1	98.4	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	
GE 20000	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	
GE 18000	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	
GE 16000	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	
GE 14000	68.2	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	
GE 12000	69.4	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	
GE 10000	72.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	
GE 9000	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	
GE 8000	79.3	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	
GE 7000	80.9	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	
GE 6000	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	
GE 5000	86.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6	
GE 4500	87.0	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	
GE 4000	88.9	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	
GE 3500	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	
GE 3000	91.2	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	
GE 2500	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	
GE 2000	92.4	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	
GE 1800	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	93.3	93.3	
GE 1600	92.9	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	
GE 1200	93.9	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	
GE 1000	93.1	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	
GE 900	93.2	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	
GE 800	93.3	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	
GE 700	93.6	94.4	94.8	95.0	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.4	95.4	
GE 600	93.9	95.1	95.6	96.0	96.3	96.3	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.7	96.7	
GE 500	94.0	95.2	95.8	96.3	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.1	
GE 400	94.1	95.8	96.4	97.1	97.4	97.4	97.6	97.6	97.6	98.0	98.0	98.0	98.1	98.1	98.2	
GE 300	94.1	95.9	96.6	97.2	97.8	97.8	98.0	98.0	98.4	98.4	98.4	98.7	98.7	98.8	98.8	
GE 200	94.4	96.4	97.1	97.8	98.4	98.6	98.8	98.8	98.8	99.2	99.2	99.2	99.6	99.6	99.7	99.9
GE 100	94.4	96.4	97.1	97.8	98.4	98.6	98.8	98.8	98.8	99.2	99.2	99.2	99.6	99.6	99.7	99.9
GE 0	94.4	96.4	97.1	97.8	98.4	98.6	98.8	98.8	98.8	99.2	99.2	99.2	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 20000	69.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	69.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 16000	69.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 14000	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	69.4	69.4
GE 12000	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 10000	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 9000	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 8000	76.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 7000	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 6000	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 5000	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 4500	86.9	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	87.6	87.6
GE 4000	88.2	88.8	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 3500	89.2	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 3000	90.6	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2500	90.9	91.6	91.6	91.8	91.8	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2000	91.6	92.8	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	92.1	93.0	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1500	93.0	93.9	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	93.3	94.4	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1000	93.4	94.7	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	93.4	94.7	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 800	93.4	94.7	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 700	93.6	94.8	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 600	93.8	95.0	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 500	93.7	95.3	96.1	96.7	97.3	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	94.0	95.8	96.6	97.1	97.9	97.9	98.0	98.0	98.0	98.2	98.7	98.7	98.7	98.7	98.8	98.8
GE 300	94.0	95.9	96.7	97.3	98.2	98.2	98.6	98.6	98.7	99.0	99.4	99.4	99.4	99.4	99.6	99.6
GE 200	94.0	95.9	96.7	97.3	98.3	98.3	98.7	98.7	98.8	99.2	99.7	99.7	99.7	99.7	99.9	99.9
GE 100	94.0	95.9	96.7	97.3	98.3	98.3	98.7	98.7	98.8	99.2	99.7	99.7	99.7	99.7	100.0	100.0
GE 0	94.0	95.9	96.7	97.3	98.3	98.3	98.7	98.7	98.8	99.2	99.7	99.7	99.7	99.7	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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 7/16	GE 1/4	GE 0
NO CEIL	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 20000	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	73.2	73.2
GE 18000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 16000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 14000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 12000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 10000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 9000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 8000	80.4	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	80.6	80.6
GE 7000	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	81.7	81.7
GE 6000	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 5000	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 4500	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4000	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3500	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3000	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	92.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2200	93.3	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1900	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1700	94.6	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	95.1	95.6	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1300	95.4	96.2	96.4	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	95.7	96.4	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	97.0
GE 1100	95.8	96.7	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	95.9	96.8	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	96.0	96.8	97.2	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	96.3	97.3	97.9	98.0	98.2	98.3	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	96.4	97.6	98.2	98.3	98.7	98.8	98.8	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	96.4	97.6	98.2	98.6	99.1	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	96.4	97.6	98.2	98.6	99.2	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.4	97.6	98.2	98.6	99.2	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	96.4	97.6	98.2	98.6	99.2	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 907

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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	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	53.7
GE 20000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 18000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 16000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 14000	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	67.2	67.2
GE 12000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 10000	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	72.2	72.2
GE 9000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 8000	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 7000	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 6000	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 5000	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 4500	84.2	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 4000	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 3500	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 3000	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	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	94.6	94.6
GE 2000	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1600	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	96.3	96.3	96.3
GE 1200	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	96.9	96.9	96.9
GE 1000	97.1	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	97.1	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	97.1	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	97.3	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	97.3	98.0	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	97.6	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 20000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 16000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 12000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 10000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 9000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 8000	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	77.3	77.3	77.3
GE 7000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 6000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 5000	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4500	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4000	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 3500	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	94.6	94.6
GE 3000	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	96.1	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1600	96.9	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1400	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	97.1	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	97.2	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	97.3	98.2	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	97.3	98.2	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	97.6	98.7	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	97.6	98.7	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	97.6	98.8	99.1	99.2	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	97.6	98.8	99.1	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	98.8	99.1	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	97.6	98.8	99.1	99.2	99.6	99.6	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	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
GE 20000	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	67.4
GE 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 16000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 14000	69.8	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 12000	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 10000	76.6	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	76.7
GE 9000	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	77.0	77.0	77.0
GE 8000	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 7000	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 6000	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 5000	89.3	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 4500	90.4	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4000	93.8	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3500	95.6	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	96.2	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	96.3	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	96.3	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	96.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	96.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	96.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	96.9	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	96.9	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	97.0	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	97.0	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	97.1	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	97.1	99.0	99.1	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.1	99.0	99.1	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.1	99.0	99.1	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.1	99.0	99.1	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	97.1	99.0	99.1	99.7	99.8	99.8	99.8	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 20000	69.6	69.6	69.6	69.6	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 18000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 16000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 14000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 12000	72.3	72.3	72.3	72.3	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 10000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 9000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 8000	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	81.8	81.8
GE 7000	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 6000	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 5000	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 4500	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 4000	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3500	94.1	95.0	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3000	96.7	96.8	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	96.7	96.8	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2200	96.9	97.3	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	96.9	97.3	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1700	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1600	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1400	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1300	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1100	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 300	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 200	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 100	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 0	96.9	97.6	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS: 450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN 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 7/8	GE 5/8	GE 1/2	GE 9/16	GE 1/4	GE 0
NO CEIL	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	
GE 20000	68.7	68.8	68.8	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 18000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	
GE 16000	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	
GE 14000	69.7	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	69.9	
GE 12000	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	
GE 10000	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
GE 9000	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
GE 8000	79.5	79.8	79.8	79.8	79.8	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	
GE 7000	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	
GE 6000	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	
GE 5000	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	
GE 4500	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	
GE 4000	90.5	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
GE 3500	92.1	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
GE 3000	93.4	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
GE 2500	93.7	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
GE 2200	94.3	95.1	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
GE 2000	94.4	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
GE 1800	95.0	96.0	96.1	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 1700	95.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	
GE 1600	95.4	96.5	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
GE 1500	95.9	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 1400	95.6	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
GE 1300	95.7	96.9	97.1	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE 1200	95.8	97.1	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 1100	96.0	97.5	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1000	96.1	97.8	98.1	98.5	98.8	98.9	98.9	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	
GE 900	96.1	97.8	98.2	98.7	99.0	99.1	99.1	99.2	99.3	99.4	99.5	99.5	99.5	99.6	99.6	
GE 800	96.1	97.9	98.3	98.8	99.2	99.2	99.3	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.9
GE 700	96.1	97.9	98.3	98.8	99.2	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9
GE 0	96.1	97.9	98.3	98.8	99.2	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7260

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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 7/16	GE 1/4	GE 0
NO CEIL	68.3	68.3	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 20000	74.0	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 18000	74.2	74.2	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 16000	74.2	74.2	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 14000	75.7	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 12000	77.1	77.2	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 10000	83.3	83.5	83.5	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 9000	83.5	83.6	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 8000	86.6	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 7000	87.6	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 6000	89.4	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 5000	92.2	92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4500	93.0	93.2	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	93.5
GE 4000	93.4	94.0	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3500	94.3	95.1	95.1	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3000	95.3	96.2	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	95.3	96.2	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2200	95.7	96.7	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	95.7	96.7	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1800	96.0	97.0	97.0	97.3	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 1600	96.5	97.4	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1400	96.6	97.5	97.5	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	96.6	97.6	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	96.6	97.6	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	96.7	97.7	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	98.2
GE 800	96.7	97.7	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	98.2
GE 700	96.8	97.8	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	98.3
GE 600	96.8	97.8	97.9	98.2	98.2	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	96.9	98.0	98.0	98.4	98.4	98.5	98.7	98.7	98.7	98.8	98.8	98.8	99.1	99.1	99.1	99.1
GE 400	96.9	98.1	98.1	98.5	98.6	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.5	99.5	99.5	99.5
GE 300	96.9	98.1	98.1	98.7	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.6	100.0	100.0	100.0	100.0
GE 0	96.9	98.1	98.1	98.7	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 242

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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	65.2	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 20000	71.2	71.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 18000	71.6	71.8	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 16000	71.6	71.8	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 14000	72.4	72.6	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 12000	75.1	75.3	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 10000	80.5	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 9000	81.1	81.4	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 8000	84.6	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 7000	85.3	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 6000	87.4	87.8	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 5000	90.2	90.6	90.6	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4500	91.1	91.5	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 4000	92.6	93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3500	93.2	93.7	93.7	93.8	93.8	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3000	93.4	94.4	94.4	94.5	94.5	94.6	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2500	93.9	94.6	94.8	94.9	94.9	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	94.2	95.2	95.2	95.3	95.3	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	94.2	95.2	95.2	95.3	95.3	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1400	94.4	95.4	95.4	95.5	95.5	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1300	94.5	95.5	95.6	95.9	95.9	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	94.8	95.8	95.9	96.2	96.2	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1100	94.9	95.8	95.9	96.2	96.2	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	94.9	95.8	95.9	96.2	96.2	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	94.9	96.1	96.2	96.6	96.6	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	94.9	96.1	96.2	96.6	96.6	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0
GE 700	95.1	96.2	96.5	96.8	96.8	96.9	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3
GE 600	95.3	96.5	96.7	97.0	97.1	97.2	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6
GE 500	95.4	96.7	96.9	97.4	97.8	98.0	98.1	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7
GE 400	95.4	96.8	97.2	97.7	98.4	98.5	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2
GE 300	95.4	96.8	97.2	97.7	98.5	98.6	98.7	99.0	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.9
0	95.4	96.8	97.2	97.7	98.5	98.6	98.7	99.0	99.0	99.4	99.4	99.5	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUL 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 7/16	GE 1/4	GE 0
NO CEIL	64.6	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 20000	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 18000	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 16000	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 14000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 12000	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 10000	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 9000	82.4	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	82.6	82.6
GE 8000	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 7000	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 6000	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 5000	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 4500	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 4000	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 3500	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3000	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2500	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 2200	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	93.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1800	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1700	94.1	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1600	94.4	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	94.5	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1400	94.5	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1300	94.5	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	94.7	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1100	94.9	96.0	96.3	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	94.9	96.3	96.7	97.4	97.4	97.6	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	94.9	96.5	96.9	97.8	98.2	98.2	98.5	99.2	99.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	94.9	96.6	97.3	98.3	98.4	98.6	98.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	94.9	96.6	97.3	98.3	98.5	98.7	99.0	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	94.9	96.6	97.3	98.3	98.5	98.7	99.0	99.7	99.7	99.8	99.9	99.9	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUL 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 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	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	71.1
GE 20000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 18000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 16000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 14000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 12000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 10000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 9000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 8000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 7000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 6000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 5000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 4500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3500	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 3000	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 2500	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	97.4	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	97.6	98.7	98.9	98.9	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 400	97.6	98.8	99.1	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	97.7	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	97.7	99.1	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.7	99.1	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	97.7	99.1	99.4	99.6	99.7	99.7	99.8	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: 726625 STATION NAME: ELLSWORTH AFB SD

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	TOTAL	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 9/16	GE 1/4	GE 0
NO CEIL	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	65.9	65.9
GE 20000	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	75.7	75.7	75.7
GE 15000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 10000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 9000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 8000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 7000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 6000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 5000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 3500	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2500	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1800	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1600	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1400	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1000	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 900	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	97.8	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	98.2	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	98.3	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	98.7	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	98.7	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 50	98.8	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	98.7	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.7	99.2	99.7	99.8	99.8	99.9	99.9	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	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	53.7
GE 20000	69.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 18000	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 16000	69.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 14000	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 12000	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 10000	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 9000	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 8000	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 7000	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 6000	86.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 5000	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4500	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 4000	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3500	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2500	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2200	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	97.2	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	97.6	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	97.6	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	97.8	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	97.9	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	98.1	98.8	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	98.1	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.8	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUL 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	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 20000	71.7	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	72.0	72.0
GE 18000	71.7	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	72.0	72.0
GE 16000	71.9	72.3	72.3	72.3	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 14000	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 12000	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 10000	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 9000	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 8000	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 7000	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 6000	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 5000	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4500	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 4000	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3500	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	96.9	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	97.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1600	97.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1400	97.4	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	98.6	98.6
GE 1200	97.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	97.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	97.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	97.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	97.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	97.6	99.1	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.6	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.6	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.6	99.2	99.8	99.8	99.8	99.8	99.8	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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 7/8	GE 5/8	GE 1/2	GE 9/16	GE 1/4	GE 0
NO CEIL	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 20000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 18000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 16000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 14000	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	75.7	75.7
GE 12000	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 10000	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 9000	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 8000	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 7000	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 6000	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 5000	91.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4500	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4000	94.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3500	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3000	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2500	95.6	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2000	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1400	96.5	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1300	96.7	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	96.9	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1100	96.9	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	96.9	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	97.1	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	97.2	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	97.7	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	97.7	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	97.7	98.9	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 400	97.7	98.9	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	97.7	98.9	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	100.0	100.0
GE 200	97.7	98.9	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 22000	73.6	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 10 000	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 5000	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 3000	74.2	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 2000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 1500	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1000	82.5	82.7	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 700	85.6	85.9	85.9	85.9	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 500	86.5	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 400	88.1	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 300	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 200	91.7	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 150	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 100	94.1	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 50	94.8	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 30	95.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 20	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 15	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.5	96.5	96.5	96.5
GE 10	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7	96.7	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 5	97.4	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 0	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2

TOTAL NUMBER OF OBSERVATIONS: 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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	69.6	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	69.6	69.6
GE 20000	75.6	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 15000	75.9	76.6	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 10000	76.1	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 7000	76.3	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 5000	76.9	77.6	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
GE 3500	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3000	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2500	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2000	88.7	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1500	89.5	89.4	89.4	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 1400	91.4	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1300	91.9	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200	92.5	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1100	93.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1000	93.5	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	94.5	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	96.2	96.2
GE 800	95.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	96.5	97.7	97.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 600	96.1	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 500	96.5	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	96.5	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 300	96.5	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 200	96.5	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	97.0	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 0	97.4	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
VAR	97.6	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
CIG	97.6	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
VIS	97.6	99.0	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CIG&VIS	97.6	99.0	99.1	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
SCT	97.6	99.0	99.1	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 992

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

CEILING (FT)	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 9/16	GE 1/4	GE 0
NO CEIL	69.8	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE [illegible]	75.9	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 15000	76.0	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	76.7
GE 10000	76.1	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 1400	76.9	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 1200	78.3	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1000	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 900	83.2	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 800	86.9	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 700	87.7	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 600	89.7	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 500	91.6	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 450	91.9	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 400	92.9	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 350	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 300	94.1	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 250	94.5	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 200	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 150	96.4	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 100	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 50	96.1	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 30	96.6	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 20	96.6	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 15	96.6	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 10	96.7	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 5	96.8	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4	96.9	98.0	98.1	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 3	97.1	98.2	98.3	98.4	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 2	97.2	98.4	98.5	98.6	98.9	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1	97.2	98.4	98.5	98.5	98.9	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.5
GE 0	97.3	98.4	98.6	98.7	99.0	99.0	99.1	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.9
[illegible]	97.3	98.4	98.6	98.7	99.0	99.0	99.1	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 992

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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 7/16	GE 1/4	GE 0
NO CEIL	67.6	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	67.8
GE 20000	74.1	74.4	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 18000	74.3	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 16000	74.3	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 14000	74.6	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 12000	76.9	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 10000	81.3	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 9000	82.1	82.3	82.3	82.4	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 8000	86.2	86.6	86.6	86.7	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 7000	87.4	87.7	87.7	87.8	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 6000	88.8	89.1	89.2	89.4	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 5000	90.8	91.4	91.5	91.7	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4500	91.6	92.3	92.4	92.6	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 4000	92.5	93.1	93.2	93.5	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	93.1	93.8	93.9	94.2	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3000	93.9	94.4	94.5	94.6	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	94.6	95.4	95.5	95.6	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2200	94.8	95.6	95.7	96.0	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	94.8	95.6	95.7	96.0	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1500	95.7	96.5	96.6	96.5	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 1000	96.8	96.7	96.8	97.1	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 900	96.1	97.0	97.1	97.5	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	96.1	97.0	97.1	97.5	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	96.1	97.1	97.2	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	96.2	97.2	97.4	98.1	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	96.2	97.2	97.4	98.1	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	96.7	97.3	97.5	98.2	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	96.8	97.6	97.8	98.5	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	96.8	97.6	97.8	98.7	99.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 150	96.8	97.6	98.1	98.9	99.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	96.8	97.6	98.1	98.9	99.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 0	96.8	97.6	98.1	98.9	99.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: AUG 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	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 22000	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 18000	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 16000	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 14000	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 12000	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	81.0	81.0	81.0
GE 10000	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 9000	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 8000	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 7000	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 6000	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	90.2	90.2
GE 5000	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4500	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3500	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2500	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1500	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 935

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM POLRLY OBSERVATIONS

STATION NUMBER: 726629 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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 7/8	GE 5/8	GE 1/2	GE 9/16	GE 1/4	GE 0
NO CEIL	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 25000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 18000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 16000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 14000	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	74.9	74.9
GE 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 9000	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 8000	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 7000	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 6000	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 5000	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 4500	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4000	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3500	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3000	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2200	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	98.6	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	99.6	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	99.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	99.7	99.8	99.7	99.9	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	99.7	99.6	99.7	99.9	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	99.7	99.6	99.7	99.9	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	99.7	99.6	99.7	99.9	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	99.7	99.6	99.7	99.9	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: 935

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
Air Weather Service/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 7266[illegible] STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: AUG 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 7/16	GE 1/4	GE 0
[illegible]	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
[illegible]	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
[illegible]	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
[illegible]	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
[illegible]	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
[illegible]	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
[illegible]	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
[illegible]	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
[illegible]	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
[illegible]	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
[illegible]	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
[illegible]	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
[illegible]	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
[illegible]	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9
[illegible]	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0
[illegible]	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
[illegible]	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
[illegible]	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
[illegible]	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
[illegible]	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
[illegible]	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
[illegible]	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
[illegible]	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
[illegible]	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
[illegible]	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
[illegible]	98.8	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4
[illegible]	98.8	99.0	99.0	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
[illegible]	98.8	99.0	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
[illegible]	98.9	99.0	99.0	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
[illegible]	98.9	99.0	99.0	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
[illegible]	98.8	99.0	99.0	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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	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 20000	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	77.3	77.3	77.3
GE 18000	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	77.3	77.3	77.3
GE 16000	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	77.3	77.3	77.3
GE 14000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 12000	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	80.6	80.6	80.6
GE 10000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 9000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 8000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 7000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 6000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 5000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 4500	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4000	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3000	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1600	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1400	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 900	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 800	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 700	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 600	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 500	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 400	98.5	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	98.5	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	98.5	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	98.5	99.1	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE	98.5	99.1	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 25000	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 18000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 14000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 12000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 10000	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 9000	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 8000	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 7000	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 6000	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 5000	90.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4500	92.6	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4000	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3500	94.7	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3000	95.9	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2500	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	96.1	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	96.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	96.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	96.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	96.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	97.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	97.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	97.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	97.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	97.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	97.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	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	99.5	99.5
GE 200	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	99.7	99.7	99.7
GE 150	99.2	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	99.2	99.6	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	99.2	99.6	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 20000	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 18000	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 16000	76.1	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 14000	76.8	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 12000	78.5	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 10000	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 9000	83.6	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 8000	87.2	87.5	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 7000	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 6000	89.4	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 5000	92.4	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	93.1	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 4000	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
GE 3500	95.2	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	95.9	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2500	96.2	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2200	96.6	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE 2000	96.7	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	96.9	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 1600	97.2	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1400	97.5	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	97.6	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1100	97.6	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	97.6	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	97.8	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	97.8	98.7	98.8	99.0	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 700	98.0	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 600	98.2	99.0	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	98.2	99.0	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	98.2	99.0	99.2	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
CIG	98.2	99.0	99.2	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

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 3/4	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
GE CEIL	71.4	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 25000	74.2	74.3	74.3	74.3	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 20000	74.2	74.3	74.3	74.3	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 18000	74.2	74.3	74.3	74.3	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 14000	74.6	74.7	74.7	74.7	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 12000	76.3	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 10000	78.7	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 9000	79.0	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 8000	81.2	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 7000	81.6	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 6000	83.2	83.3	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 5000	86.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 4500	86.2	86.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4000	87.7	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 3500	88.5	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 3000	89.2	89.6	89.8	89.8	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 2500	89.7	90.1	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	90.7	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	90.8	91.4	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1500	91.1	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1200	91.6	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1000	92.2	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	92.4	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 800	92.6	93.3	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 700	92.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 600	93.2	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
GE 500	93.4	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.1
GE 400	94.2	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	96.0	96.0	96.0	96.1	96.1	96.2	96.4
GE 300	94.2	95.7	95.8	95.8	96.2	96.2	96.3	96.3	96.3	96.6	96.6	96.7	96.9	96.8	97.0	97.1
GE 200	94.4	96.1	96.3	96.4	97.2	97.2	97.6	97.7	97.9	98.2	98.2	98.3	98.7	98.7	98.9	99.0
GE 100	94.4	96.1	96.3	96.4	97.2	97.2	97.6	97.7	97.9	98.2	98.2	98.3	98.7	98.8	99.2	99.7
GE 0	94.4	96.1	96.3	96.4	97.2	97.2	97.6	97.7	97.9	98.2	98.2	98.3	98.8	98.9	99.3	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(LST): 0300-0500

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES															
	GE 10	8	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	1/2	5/16	1/4	0
GE CEIL	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	67.1	67.1
	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
	67.8	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	69.8
	66.7	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	69.9	69.9
	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
	74.6	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	74.8	74.8
	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
	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	89.1	89.1
	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
	92.3	92.4	92.5	92.5	92.5	92.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	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	92.6	92.6	92.6	92.6
	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	93.2	93.3	93.3	93.3	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
	93.1	93.4	93.6	93.7	94.1	94.1	94.3	94.3	94.4	94.6	94.7	94.7	94.7	94.8	95.0	95.0
	94.7	94.8	94.9	95.0	95.2	95.6	95.6	95.6	95.7	95.8	96.0	96.1	96.1	96.4	96.6	96.6
	97.0	96.8	96.9	95.0	95.6	95.7	96.2	96.4	96.4	96.6	96.7	96.8	97.5	97.6	97.9	98.2
	97.2	96.7	95.0	95.1	95.7	95.6	96.6	96.6	96.6	97.0	97.2	97.4	98.3	98.4	98.2	99.7
	97.2	96.7	95.0	95.1	95.7	95.6	96.4	96.6	96.6	97.0	97.3	97.4	98.4	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72[illegible] STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
GE [illegible]	61.2	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE [illegible]	66.4	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 1500	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	67.6
GE 1000	67.7	67.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 700	67.9	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 500	69.5	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1
GE 400	71.6	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6
GE 300	72.4	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4
GE 200	75.8	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.9
GE 150	77.2	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.1	78.1
GE 100	78.4	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.7
GE [illegible]	81.9	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	83.0	83.0
GE [illegible]	82.7	83.5	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.4	83.4
GE [illegible]	83.3	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.4	84.4
GE [illegible]	84.3	84.9	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.4	85.4
GE [illegible]	84.9	85.6	85.8	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.4	86.4
GE [illegible]	86.5	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.4	87.4
GE [illegible]	86.6	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE [illegible]	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	88.0	88.0
GE [illegible]	87.6	88.2	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.8	88.8
GE [illegible]	87.8	88.7	89.0	89.3	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.8	89.8
GE [illegible]	88.4	89.6	89.8	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.8	90.8
GE [illegible]	89.2	90.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.2	91.2
GE [illegible]	89.6	90.8	91.0	91.3	91.4	91.4	91.7	91.8	91.8	91.8	91.8	91.9	91.9	92.0	92.0
GE [illegible]	89.7	90.9	91.2	91.7	91.8	91.8	92.0	92.1	92.1	92.1	92.1	92.2	92.2	92.3	92.3
GE [illegible]	89.7	91.0	91.0	92.1	92.4	92.4	92.7	92.8	92.8	92.8	92.8	92.9	92.9	93.1	93.1
GE [illegible]	89.7	91.9	92.2	92.4	93.2	93.2	93.4	93.6	93.6	93.7	93.7	93.8	93.8	94.0	94.0
GE [illegible]	89.7	92.7	93.2	94.1	94.4	94.4	94.9	95.1	95.2	95.4	95.4	95.6	95.7	96.0	96.0
GE [illegible]	89.7	93.0	93.9	94.9	95.1	95.1	95.6	96.0	96.0	96.4	96.7	96.9	97.1	97.4	97.4
GE [illegible]	89.7	93.0	93.9	94.9	95.1	95.1	95.6	96.0	96.0	96.4	96.6	96.9	97.1	97.4	97.4
GE [illegible]	89.7	93.0	93.9	94.9	95.1	95.1	95.6	96.0	96.0	96.4	96.6	97.1	97.4	98.2	98.4
GE [illegible]	89.7	93.0	93.9	94.9	95.1	95.1	95.6	96.0	96.0	96.4	96.6	97.1	97.4	98.2	99.4
[illegible]	89.7	93.0	93.9	94.9	95.1	95.1	95.6	96.0	96.0	96.4	96.6	97.1	97.4	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 2900-1100

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 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 20000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 18000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 16000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 14000	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	72.0	72.0	72.0
GE 12000	73.3	73.3	73.3	73.3	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 10000	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	74.9	74.9
GE 9000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 8000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 7000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 6000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 5000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 3500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1600	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1400	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1200	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1000	91.2	91.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2
GE 900	91.7	91.7	92.1	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.9	92.9
GE 800	91.9	92.3	92.6	93.3	93.6	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.9	94.0
GE 700	93.2	93.6	93.8	94.2	94.4	94.4	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.8	94.9
GE 600	92.4	93.0	93.6	94.7	94.9	95.0	95.1	95.3	95.3	95.3	95.6	95.7	95.7	95.7	95.8	95.9
GE 500	92.7	93.4	94.7	95.8	96.1	96.2	96.7	97.1	97.1	97.2	97.4	97.7	97.7	97.7	97.8	97.9
GE 400	92.7	93.5	94.5	96.0	96.3	96.4	96.9	97.2	97.2	98.1	98.3	98.7	98.8	98.8	98.9	99.0
GE 300	93.5	93.7	95.0	96.1	96.6	96.7	97.1	97.5	97.6	98.3	98.7	99.0	99.2	99.2	99.4	99.6
GE 200	93.9	93.7	95.0	96.1	96.6	96.7	97.1	97.6	97.6	98.3	98.7	99.1	99.2	99.2	99.4	100.0
GE 0	93.9	93.7	95.0	96.1	96.6	96.7	97.1	97.6	97.6	98.3	98.7	99.1	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

...L CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...CHETAC — FROM HOURLY OBSERVATIONS
...AIR WEATHER SERVICE/MAC

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD — PERIOD OF RECORD: 77-84
MONTH: SEP — HOURS(LST): 1200-1400

CEILING	VISIBILITY IN STATUTE MILES														
IN FEET	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]

...EMAC CLIMATOLOGY BRANCH
...AFB,TX
...R WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72681 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 72-86
MONTH: SEP HOURS(LST): 1500-1700

CEILING	VISIBILITY IN STATUTE MILES															
IN HUNDREDS OF FEET	TOTAL	10 OR MORE	7 TO 9	5 OR 6	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
CLEAR	77.7	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 OR MORE	77.7	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 TO 9	77.7	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 1/2	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 1/2	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 1/4	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3/4	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/8	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/2	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/16	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/4	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLEAR	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 OR MORE	77.6	72.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 TO 9	77.6

...AL CLIMATOLOGY BRANCH
...FFETAS
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 3/16	GE 1/4	GE 0
GE CEIL	67.7	65.6	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
[illegible]	75.2	75.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
[illegible]	77.4	77.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
[illegible]	77.4	77.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
[illegible]	77.7	77.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
[illegible]	77.8

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 9/16	GE 1/4	GE 0
NO CEIL	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
[illegible]	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 10000	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 7000	78.4	78.6	78.6	78.6	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 5000	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3500	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3000	81.0	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	81.2
GE 2500	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 2000	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1500	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1000	87.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 700	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 500	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 400	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 300	91.4	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 200	91.9	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 150	92.1	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 100	92.4	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 70	93.1	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 50	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 30	93.1	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 20	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 10	93.7	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 0	93.7	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
[illegible]	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
[illegible]	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8	97.4	97.6	97.6	97.6	97.6	97.6	97.7
[illegible]	96.6	96.8	96.8	97.0	97.0	97.1	97.4	97.6	97.6	98.2	98.6	98.8	98.9	98.9	98.9	99.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
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 7/16	GE 1/4	GE 0
NO CEIL	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 20000	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 18000	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 16000	71.5	71.6	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
GE 14000	71.8	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	72.0	72.0
GE 12000	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 10000	75.3	75.5	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 9000	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 8000	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 7000	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	80.4
GE 6000	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 5000	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 4500	84.2	84.2	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 4000	86.1	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 3500	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3
GE 3000	87.6	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	88.7	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 2000	89.8	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5
GE 1800	90.0	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1600	90.5	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
GE 1400	91.4	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5
GE 1200	92.9	92.7	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1100	93.2	93.4	93.5	93.5	93.5	93.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1000	93.5	93.8	93.9	93.9	93.9	93.9	93.9	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9
GE 900	93.7	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 800	93.9	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 700	94.2	94.3	94.4	94.5	94.6	94.6	94.7	94.7	94.8	94.8	94.9	94.8	94.8	94.8	94.9	94.9
GE 600	95.2	94.3	94.7	95.0	95.2	95.2	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6
GE 500	96.5	96.6	95.4	95.8	96.0	96.2	96.5	96.6	96.7	96.9	97.0	97.0	97.0	97.0	97.2	97.2
GE 400	96.9	96.1	95.6	96.2	96.7	96.7	97.0	97.2	97.3	97.7	97.8	97.9	98.0	98.0	98.1	98.1
GE 300	97.0	96.3	96.0	96.5	97.0	97.0	97.5	97.7	97.8	98.2	98.5	98.6	98.9	98.9	99.1	99.2
GE 200	97.0	96.3	96.0	96.5	97.0	97.1	97.5	97.7	97.8	98.4	98.6	98.8	99.2	99.3	99.7	99.8
GE 100	93.9	96.3	96.0	96.5	97.0	97.1	97.5	97.7	97.9	98.4	98.6	98.8	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7356

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 20000	71.7	71.8	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 18000	71.7	71.8	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 16000	71.7	71.8	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 14000	72.0	72.2	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 12000	73.4	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 10000	76.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 9000	76.8	76.9	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 8000	78.6	78.7	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 7000	79.9	80.0	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
GE 6000	80.5	80.6	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 5000	82.2	82.3	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.8	82.9
GE 4500	83.0	83.4	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	84.0	84.0	84.1	84.0	84.0	84.0
GE 4000	85.4	85.6	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
GE 3500	87.0	87.3	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
GE 3000	88.7	89.0	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
GE 2500	89.7	90.0	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1
GE 2200	90.0	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6
GE 2000	90.4	91.3	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
GE 1800	91.0	92.3	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.9	92.8	92.8	92.8
GE 1700	91.3	92.6	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
GE 1600	91.4	92.8	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 1500	91.4	92.8	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 1400	91.7	93.1	93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 1300	91.9	93.3	93.6	93.6	93.7	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	91.9	93.3	93.6	93.6	93.7	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 1100	92.3	93.8	94.1	94.1	94.2	94.2	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	92.7	94.2	94.6	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 900	92.8	94.3	94.7	94.7	94.8	94.8	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	92.9	94.4	94.8	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
GE 700	93.2	95.3	96.1	96.1	96.2	96.2	96.4	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.8	96.8
GE 600	93.7	95.7	96.6	96.6	96.7	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.2	97.2
GE 500	93.8	96.0	97.0	97.0	97.1	97.1	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8
GE 400	94.2	96.4	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.1	98.1
GE 300	94.2	96.4	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.1	98.1
GE 200	94.2	96.4	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.1	98.1
GE 100	94.2	96.4	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.1	98.1
GE 0	94.2	96.4	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.1	98.1

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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: OCT 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 1/4	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
CLR	66.9	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8
	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8
	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8
	71.6	71.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2
	72.6	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0
	75.5	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0
	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2
	77.1	77.3	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7
	77.7	78.0	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4
	79.6	79.8	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2
	80.9	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5
	82.6	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.4	83.4	83.4
	84.5	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
	86.8	86.6	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0
	87.8	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2
	89.1	90.2	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7
	90.9	91.2	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7
	91.2	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9
	92.0	92.4	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9
	93.2	92.8	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3
	93.4	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6
	93.4	93.3	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
	93.6	93.5	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
	93.7	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2
	93.7	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3
	93.9	94.2	94.4	94.5	94.7	94.7	95.1	95.1	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3
	94.4	94.9	95.2	95.3	95.6	95.6	95.9	95.9	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.1
	95.6	96.6	96.1	96.2	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
	97.0	96.8	96.7	96.9	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
	97.0	96.8	96.9	97.1	97.5	97.5	98.1	98.1	98.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	97.0	96.8	96.9	97.1	97.5	97.5	98.1	98.1	98.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0

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: 726625 STATION NAME: ELLSWORTH AFB SD

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	58.6	58.8	58.8	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 25000	64.5	64.7	64.7	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 18000	64.6	65.1	65.1	65.3	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 16000	64.8	65.1	65.1	65.3	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 14000	65.8	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 12000	68.4	68.6	68.6	68.8	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 10000	72.9	73.1	73.1	73.3	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 9000	73.7	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 8000	76.1	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 7000	77.4	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 6000	78.4	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 5000	80.2	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 4500	81.2	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 4000	83.8	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 3500	85.2	85.6	85.6	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	86.7	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 2500	87.7	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 2200	89.5	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2000	89.9	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1800	89.7	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1600	91.1	92.5	92.5	92.8	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 1400	91.1	93.0	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1200	91.1	93.0	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1000	91.2	93.3	93.3	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 900	91.2	93.3	93.3	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 800	91.2	93.3	93.3	93.9	94.2	94.2	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 700	91.2	93.4	93.4	94.1	94.5	94.5	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 600	91.7	94.3	94.5	95.4	95.9	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 500	92.0	94.9	95.5	96.3	97.1	97.1	97.3	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	92.5	95.2	95.8	96.6	97.7	97.7	98.1	98.5	98.6	98.6	98.7	98.7	98.8	98.9	99.1	99.2
GE 300	92.5	95.3	95.8	96.6	97.7	97.7	98.1	98.5	98.6	98.6	98.9	98.9	99.0	99.1	99.5	99.8
GE 200	92.5	95.3	95.8	96.6	97.7	97.7	98.1	98.5	98.6	98.6	98.9	98.9	99.0	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	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 0
NO CEIL	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8
GE 25000	65.4	65.8	65.8	65.8	65.8	65.8	65.9	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9
GE 18000	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 10000	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 14000	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6
GE 12000	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8
GE 10000	71.8	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4
GE 9000	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8
GE 8000	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7
GE 7000	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0
GE 6000	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8
GE 5000	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2
GE 4000	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3
GE 3000	83.3	84.0	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4
GE 2500	84.0	84.9	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4
GE 2000	86.2	87.4	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.9	87.8	87.8	87.8
GE 1500	86.7	87.8	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3
GE 1200	88.3	89.4	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.9	89.8	89.8	89.8
GE 1000	88.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9
GE 900	89.7	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7
GE 800	90.1	91.9	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4
GE 700	92.6	93.4	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
GE 600	93.5	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7
GE 500	94.5	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE 400	95.1	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE 300	96.8	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
GE 200	97.5	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 150	97.8	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 100	98.0	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 50	98.5	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 0	98.5	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
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 3/16	GE 1/4	GE 0
NO CEIL	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 18000	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	68.0	68.0	68.0
GE 16000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 14000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 12000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 10000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 9000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 8000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 7000	76.7	76.7	76.7	76.7	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 6000	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 5000	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4500	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4000	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3500	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 3000	88.8	88.9	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 2500	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	90.9	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1800	91.2	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1600	92.7	92.8	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 1400	92.8	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1200	93.9	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	94.2	94.4	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 900	94.7	94.9	95.4	95.6	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 800	94.8	95.5	95.9	96.1	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	94.9	96.0	96.6	96.8	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	95.2	96.8	97.3	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 500	95.5	96.9	98.0	98.2	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	95.5	96.9	98.1	98.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	95.5	96.9	98.1	98.5	99.2	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	95.5	96.9	98.1	98.5	99.2	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0
GE 0	95.5	96.9	98.1	98.5	99.2	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 3/8	GE 1/4	LT 1/4
GE CEIL	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	56.9
GE 22000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 18000	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	67.1	67.1
GE 10000	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	67.1	67.1
GE 9000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 8000	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
GE 7000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 6000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4000	78.5	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3500	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000	81.9	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 2500	82.4	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	83.2	83.2
GE 2000	86.1	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2
GE 1500	87.6	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
GE 1000	89.9	90.4	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1
GE 900	90.7	91.3	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9
GE 800	91.2	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8
GE 700	91.5	92.5	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1
GE 600	92.5	93.5	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
GE 500	93.8	94.9	95.2	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8
GE 400	95.7	96.8	97.1	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
GE 300	96.1	97.2	97.6	98.0	98.1	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6
GE 200	96.2	97.3	97.7	98.1	98.4	98.5	98.5	98.7	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1
GE 100	96.2	97.3	97.7	98.2	98.5	98.6	98.6	98.8	98.9	99.1	99.4	99.4	99.4	99.5	99.5	99.5
GE 000	96.2	97.3	97.7	98.2	98.6	98.7	98.7	98.9	99.0	99.2	99.5	99.5	99.6	99.7	99.7	99.7
LT 100	96.2	97.3	97.7	98.2	98.6	98.7	98.7	98.9	99.0	99.2	99.6	99.6	99.7	99.8	99.8	100.0
GE	96.2	97.3	97.7	98.2	98.6	98.7	98.7	98.9	99.0	99.2	99.6	99.6	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 959

USAFETAC
AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD — PERIOD OF RECORD: 77-84
MONTH: OCT — HOURSELECT: 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 7/8	GE 5/8	GE 1/2	GE 1/16	GE 1/4	GE 0
GE CEIL	64.1	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 25000	69.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 18000	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 10000	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 9000	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 8000	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 7000	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	77.3	77.3
GE 6000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 5000	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2000	86.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1500	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	88.2	88.8	88.8	88.8	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 900	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 800	90.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 700	91.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 600	91.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 500	92.0	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 400	92.5	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 300	93.2	95.3	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 250	93.5	95.8	95.9	95.9	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 200	93.6	96.3	96.5	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 150	93.9	96.5	96.5	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 100	94.0	96.6	96.7	96.7	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 90	94.3	96.9	97.0	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 80	94.3	97.0	97.1	97.1	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 70	94.3	97.1	97.2	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 60	94.6	97.3	97.4	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 50	94.6	97.3	97.4	97.4	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 40	94.6	97.3	97.4	97.4	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 30	94.6	97.3	97.4	97.4	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 20	94.6	97.3	97.4	97.4	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 10	94.6	97.3	97.4	97.4	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 0	94.6	97.3	97.4	97.4	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 992

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
	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	67.1
	71.9	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	72.2
	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
	81.0	81.1	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
	81.6	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	81.8
	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
	84.7	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	84.9
	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
	89.2	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	89.9
	90.0	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
	91.4	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	91.5	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
	91.9	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
	92.7	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
	93.1	94.2	94.3	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
	93.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.8	94.8	94.8	94.8
	94.4	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
	95.2	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.8	95.8
	96.0	96.1	96.2	96.3	96.5	96.5	96.5	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8
	96.2	96.3	96.5	96.7	96.8	96.8	97.1	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3
	96.5	96.7	96.8	97.1	97.2	97.2	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.8
	96.7	97.6	98.1	98.4	98.5	98.5	98.8	98.8	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.7
	96.7	97.8	98.1	98.4	98.5	98.5	98.8	98.8	98.8	99.1	99.2	99.4	99.7	99.8	99.8	100.0
GE	96.7	97.8	98.1	98.4	98.5	98.5	98.8	98.8	98.8	99.1	99.2	99.4	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 961

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-84
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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8
GE 25000	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0
GE 18000	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2
GE 14000	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3
GE 12000	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 10000	71.4	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 9000	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 8000	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
GE 7000	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 6000	78.9	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 5000	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
GE 4500	81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
GE 4000	82.7	83.1	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3500	85.7	85.7	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3000	86.6	87.1	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2500	88.5	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5
GE 2000	90.3	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5
GE 1800	91.2	91.2	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1500	91.6	91.4	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1400	91.9	92.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	91.8	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6
GE 1000	92.1	93.7	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3
GE 900	92.4	94.1	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7
GE 800	92.6	94.4	94.6	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	92.7	94.7	94.9	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 600	92.9	95.1	95.2	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9
GE 500	93.2	95.5	95.9	96.2	96.5	96.5	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9
GE 400	93.5	96.0	96.5	96.8	97.1	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6
GE 300	93.6	96.3	96.9	97.3	97.7	97.7	97.9	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4
GE 200	93.9	96.8	97.4	97.9	98.4	98.4	98.6	98.7	98.8	99.0	99.1	99.2	99.3	99.3	99.5	99.5
GE 100	93.9	96.8	97.4	97.9	98.4	98.4	98.6	98.8	98.9	99.1	99.2	99.3	99.5	99.6	99.8	100.0
GE 0	93.9	96.8	97.4	97.9	98.4	98.4	98.6	98.8	98.9	99.1	99.2	99.3	99.5	99.6	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: 72662F STATION NAME: FLESSORTH AFB SD

PERIOD OF RECORD: 77-80
MONTH: NOV HOURSELECTED: 0000-2300

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 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	LT 1/4
GE UNLIM	69.4	62.1	61.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	59.3	57.6	56.7
GE 20000	67.1	57.6	53.6	65.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.3
GE 15000	65.2	53.9	53.9	63.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.1	64.3	64.4
GE 10000	77.4	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
GE 7000	64.7	65.2	55.2	66.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4	65.6
GE 5000	65.5	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.9	67.0
GE 4000	69.6	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.9	70.0
GE 3000	69.3	69.4	69.4	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.2	70.3
GE 2500	73.4	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.7	73.9	74.0
GE 2000	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.4	74.7	74.8
GE 1800	74.7	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.8	76.0	76.1
GE 1500	77.7	77.6	77.6	77.6	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.2	78.4	78.5
GE 1200	78.8	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.8	79.0	79.1
GE 1000	79.8	79.6	79.6	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.4	80.6
GE 900	79.9	79.7	79.7	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.5	80.7
GE 800	80.1	80.0	80.0	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.8	81.0
GE 700	80.3	80.2	80.2	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	81.0	81.1
GE 600	80.5	80.4	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.2	81.4
GE 500	81.0	80.9	80.9	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.7	81.9
GE 400	82.1	82.0	82.0	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.8	82.9
GE 300	83.4	83.3	83.3	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	84.1	84.2
GE 200	84.0	83.9	83.9	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.7	84.8
GE 150	84.3	84.2	84.2	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	85.0	85.1
GE 100	84.6	84.5	84.5	84.6	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.2	85.4	85.6
GE 50	85.4	85.3	85.3	85.4	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.2	86.4
GE 0	86.5	86.4	86.4	86.5	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.3	87.5
	97.4	97.3	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.4	97.4	97.5	97.7	97.9	98.0
	97.4	97.3	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.1	98.3
	97.4	97.3	97.2	97.3	97.4	97.4	97.4	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.2	98.4

USAF ETAC CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: [illegible]-[illegible]
MONTHS: ANN HOURS/DAY: [illegible]-[illegible]

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2	1 1/2	1	3/4	1/2	1/4	1/8	1/16	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72562S STATION NAME: ELLSWORTH AFB SD

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

CEILING VERSUS VISIBILITY	VISIBILITY IN STATUTE MILES														
IN FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 7/8	≥ 3/4	≥ 1/2	≥ 7/16	≥ 1/4	< 1/4
ALL	57.7	58.6	58.8	58.8	59.0	59.2	59.4	59.6	59.6	59.8	59.8	59.8	59.8	59.9	59.9	
≥ 22000	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.7	61.7
≥ 20000	61.8	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	62.1	62.1
≥ 18000	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
≥ 16000	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.6
≥ 14000	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	63.8	63.7	63.7
≥ 12000	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9
≥ 10000	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4
≥ 9000	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2
≥ 8000	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3
≥ 7000	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2
≥ 6000	77.6	78.1	78.1	78.1	78.1	78.2	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1
≥ 4500	79.2	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 4000	79.6	80.3	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	81.6	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.8	82.8	82.8	82.9	82.9
≥ 3000	82.2	83.0	83.7	83.8	83.9	83.9	83.8	83.8	83.8	83.9	83.9	84.0	84.0	84.0	84.1	84.1
≥ 2500	83.4	84.2	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.4	84.7	84.7	84.7	84.8	84.8
≥ 2000	84.7	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	85.2	86.0	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.9	86.9	86.9	86.9	86.9
≥ 1500	86.2	87.0	87.4	87.6	87.7	87.8	87.8	87.8	87.8	87.9	87.9	88.0	88.1	88.1	88.2	88.2
≥ 1200	87.2	88.0	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.9	89.0	89.1	89.2	89.2	89.3	89.3
≥ 1000	87.7	88.6	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.5	89.6	89.7	89.8	89.8	89.8	89.8
≥ 900	88.0	88.9	89.3	89.5	89.7	89.7	89.7	89.7	89.7	89.8	89.9	90.0	90.1	90.1	90.2	90.2
≥ 800	88.4	89.3	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.3	90.4	90.5	90.5	90.6	90.6
≥ 700	88.8	89.7	90.1	90.3	90.5	90.5	90.5	90.5	90.5	90.6	90.7	90.8	90.9	90.9	91.0	91.0
≥ 600	89.2	90.1	90.5	90.7	90.9	90.9	90.9	90.9	90.9	91.0	91.1	91.2	91.3	91.3	91.4	91.4
≥ 500	89.6	90.5	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.4	91.5	91.6	91.7	91.7	91.8	91.8
≥ 450	89.8	90.7	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.7	91.8	91.9	91.9	92.0	92.0
≥ 400	90.0	90.9	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.8	91.9	92.0	92.1	92.1	92.2	92.2
≥ 350	90.4	91.3	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.2	92.3	92.4	92.5	92.5	92.6	92.6
≥ 300	90.8	91.7	92.1	92.3	92.5	92.5	92.5	92.5	92.5	92.6	92.7	92.8	92.9	92.9	93.0	93.0
≥ 250	91.2	92.1	92.5	92.7	92.9	92.9	92.9	92.9	92.9	93.0	93.1	93.2	93.3	93.3	93.4	93.4
≥ 200	91.6	92.5	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.5	93.6	93.7	93.7	93.8	93.8
≥ 150	92.0	92.9	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.8	93.9	94.0	94.1	94.1	94.2	94.2
≥ 100	92.5	93.4	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.4	94.5	94.6	94.6	94.7	94.7
≥ 50	93.0	93.9	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.8	94.9	95.0	95.1	95.1	95.2	95.2
< 50	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	100.0

(154 NUMBER OF OBSERVATIONS)

...LL AL CLIMATOLOGY BRANCH
...SFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
MONTHS: NOV HOURS(LST): 0900-1100

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE 12000	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	59.0
GE 8000	61.2	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 5000	62.4	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 3000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 2000	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 1500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 1000	70.2	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 900	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 800	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 700	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 600	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 500	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 400	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 300	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 200	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 100	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 0	70.4	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
	77.3	78.2	78.2	78.2	78.2	78.3	78.7	78.7	78.3	78.3	78.3	78.7	78.3	78.4	78.6	78.7
	77.6	78.2	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	79.0	79.1	79.1
	77.7	78.9	79.1	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.7	80.0	80.0
	78.7	79.3	79.7	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.4	80.6	80.6
	79.9	80.9	81.1	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.9	82.0	82.0
	80.1	81.6	81.8	82.0	82.2	82.2	82.4	82.4	82.6	82.7	82.8	82.8	82.8	83.2	83.3	83.3
	82.9	83.7	83.9	83.9	84.0	84.3	84.3	84.3	84.4	84.6	84.6	84.9	85.0	85.1	85.1	85.1
	82.9	83.7	83.8	83.8	84.0	84.1	84.4	84.4	84.4	84.6	84.7	85.0	85.1	85.1	85.2	85.2
	84.7	85.4	85.4	85.5	85.7	85.8	85.8	85.8	85.9	86.0	86.3	86.4	86.4	86.4	86.6	86.6
	86.1	86.4	86.4	86.5	86.6	86.8	86.8	86.8	86.9	87.0	87.0	87.4	87.6	87.6	87.7	87.7
	86.7	86.7	86.8	86.8	86.9	87.0	87.4	87.7	87.7	87.8	87.9	88.2	88.4	88.4	88.6	88.6
	87.1	87.1	87.2	87.2	87.7	87.8	88.2	88.4	88.4	88.6	88.7	89.2	89.3	89.3	89.4	89.4
	87.7	87.8	87.8	87.8	87.9	88.1	88.6	88.8	88.9	89.0	89.1	89.7	89.8	89.8	89.9	89.9
	87.8	87.8	87.8	87.8	87.9	88.3	88.8	89.1	89.2	89.4	89.6	90.0	90.2	90.2	90.3	90.3
	87.7	87.8	87.8	88.4	89.3	89.6	90.4	91.1	91.1	91.4	91.7	92.2	92.6	92.8	92.9	92.9
	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 354

NEPHAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
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 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
GE CEIL	59.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 25000	59.9	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 15000	60.7	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 10000	61.3	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	61.3	61.3
GE 7000	61.9	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	61.9	61.9
GE 5000	64.1	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 3500	69.8	69.7	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 2500	71.6	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 1500	77.4	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 1000	78.8	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 700	81.2	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 500	84.4	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 400	86.7	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 300	87.6	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 200	88.3	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 150	89.1	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	89.3	89.3
GE 100	90.2	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 70	90.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 50	92.3	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 30	93.4	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 20	95.3	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 15	97.1	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 10	98.3	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 7	99.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 5	99.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	100.0	100.0	100.0	100.0	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: 720

...L CLIMATOLOGY BRANCH
...ARETAF
...IR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: NOV 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 7/16	GE 1/4	GE 0
..0 CEIL		48.3	48.3	48.3	48.3	48.3	48.3	49.3	49.3	49.3	48.3	49.3	48.3	48.3	48.3	49.3	48.3
..0 20000		59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
..0 18000		60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
..0 16000		60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
..0 14000		62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
..0 12000		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	65.1	65.1	65.1
..0 10000		69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
..0 9000		70.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
..0 8000		73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
..0 7000		75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
..0 6000		77.2	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
..0 5000		78.6	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
..0 4500		79.2	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
..0 4000		80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2
..0 3500		82.9	83.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
..0 3000		83.6	83.8	83.3	83.4	83.6	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8
..0 2500		84.8	84.1	84.2	85.1	85.2	85.2	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8
..0 2000		86.0	86.4	86.3	86.7	86.8	86.8	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
..0 1500		86.2	86.7	86.6	86.9	87.1	87.1	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
..0 1000		86.6	86.2	87.2	87.6	87.6	87.6	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.6	88.6	88.6
..0 500		86.7	86.7	87.7	88.2	88.7	88.7	89.3	89.4	89.4	89.4	89.6	89.6	89.7	89.7	89.7	89.7
..0 300		86.9	87.6	88.0	88.2	89.7	89.7	90.3	90.6	90.6	90.6	90.7	90.7	90.8	90.8	90.8	90.8
..0 200		86.9	87.9	88.9	89.6	90.0	90.0	90.8	91.0	91.0	91.0	91.1	91.1	91.2	91.2	91.2	91.2
..0 100		86.9	88.0	89.0	90.3	90.3	90.3	91.1	91.3	91.3	91.3	91.4	91.6	91.6	91.7	91.7	91.7
..0 50		87.0	89.1	90.1	90.9	91.6	91.6	92.3	92.6	92.7	92.8	93.0	92.9	93.1	93.1	93.1	93.1
..0 0		89.1	89.7	90.9	91.3	92.4	92.4	93.2	93.4	93.6	93.8	93.9	93.9	94.1	94.1	94.1	94.1
..0		89.7	90.3	91.6	92.4	93.1	93.1	93.9	94.1	94.3	94.7	95.0	95.0	95.2	95.4	95.4	95.4
..0		89.7	90.7	91.9	92.8	93.4	93.4	94.6	94.8	95.0	95.3	95.8	95.8	96.3	96.6	96.6	96.6
..0		89.7	90.7	92.1	93.0	93.6	93.8	95.0	95.3	95.6	95.9	96.4	96.6	97.4	97.7	97.7	97.7
..0		89.7	90.7	92.1	93.0	93.8	93.8	95.0	95.3	95.7	96.2	96.9	97.0	98.6	98.9	99.1	99.6
..0		89.7	90.7	92.1	93.0	93.8	93.8	95.0	95.3	95.7	96.2	96.9	97.1	98.7	99.0	99.3	100.0
..0		89.7	90.7	92.1	93.0	93.8	93.8	95.0	95.3	95.7	96.2	96.9	97.1	98.7	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726620 STATION NAME: FLETCHER AFB SD

PERIOD OF RECORD: 77-86
MONTH: NOV 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 7/16	GE 1/4	GE 0
99 CEIL	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.1	93.1	93.1	93.1
90	59.4	60.1	60.1	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
80	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3
70	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
60	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4
50	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2
40	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2
35	66.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3
30	69.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3
25	71.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6
20	74.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
15	76.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
12	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8
10	77.7	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.6	79.6	79.7	79.7	79.7	79.7
8	79.7	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.9	80.9	80.9	80.9
6	79.9	81.7	81.7	81.7	81.7	81.7	81.8	82.0	82.0	82.0	82.1	82.1	82.2	82.2	82.2	82.2
5	83.1	83.2	83.6	83.7	83.7	83.7	83.9	84.0	84.0	84.0	84.1	84.1	84.2	84.2	84.2	84.2
4	84.2	84.6	85.2	85.3	85.3	85.3	85.4	85.7	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9
3	84.3	84.9	85.7	85.8	85.8	85.8	85.8	86.6	86.6	86.6	86.8	86.9	86.9	86.9	86.9	86.9
2 1/2	86.9	86.6	86.8	86.1	86.1	86.1	86.3	86.7	86.7	86.7	86.9	86.9	87.0	87.0	87.0	87.0
2	87.5	86.8	86.8	86.9	86.9	86.9	86.9	87.2	87.2	87.2	87.4	87.4	87.6	87.6	87.6	87.6
1 1/2	88.4	87.2	87.6	87.9	87.9	87.9	88.1	88.7	88.7	88.7	89.0	89.0	89.1	89.1	89.1	89.1
1 1/4	88.7	87.8	88.2	88.4	88.4	88.4	88.7	89.2	89.2	89.2	89.6	89.7	89.8	89.8	89.8	89.8
1	89.1	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.2	90.3	90.4	90.4	90.4	90.4
3/4	91.4	90.6	90.8	90.8	90.8	90.8	90.8	91.3	91.3	91.3	91.6	92.1	92.3	92.3	92.3	92.3
5/8	91.8	91.0	91.2	91.3	91.3	91.3	91.3	92.0	92.0	92.0	92.2	92.7	93.0	93.3	93.3	93.3
1/2	94.7	91.3	92.0	92.1	92.2	92.2	92.4	93.3	93.6	93.6	94.2	94.8	95.2	95.2	95.2	95.2
7/16	94.7	91.8	92.6	92.9	93.0	93.0	93.3	94.2	94.4	94.7	95.1	95.8	96.3	96.3	96.3	96.3
1/4	94.7	91.8	92.7	93.0	93.2	93.2	93.7	94.7	94.9	95.3	95.9	96.6	97.3	97.3	97.3	97.3
0	94.7	91.8	92.7	93.1	93.4	93.4	93.9	94.9	95.1	95.8	96.4	97.1	98.3	98.6	98.7	98.7
	94.7	91.8	92.7	93.1	93.4	93.4	93.9	94.9	95.1	96.1	96.8	97.7	98.9	99.2	100.0	100.0
	94.7	91.8	92.7	93.1	93.4	93.4	93.9	94.9	95.1	96.1	96.8	97.7	98.9	99.2	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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
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 7/8	GE 5/8	GE 1/2	GE 3/16	GE 1/4	GE 0
NO CEIL	56.0	57.3	57.5	57.3	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.9	57.9
GE 25000	60.7	61.9	61.9	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.4	62.4	
GE 15000	60.4	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.6	62.6
GE 10000	60.6	62.1	62.1	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6	62.7	62.7
GE 7000	61.8	63.3	63.3	63.3	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.9	63.9
GE 5000	62.6	64.1	64.1	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.7	64.7
GE 3500	64.9	66.4	66.4	66.4	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	67.0	67.0
GE 3000	65.1	66.7	66.7	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.2	67.2
GE 2500	69.6	71.4	71.4	71.4	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	72.0	72.0
GE 2000	70.8	72.1	72.1	72.1	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.7	72.7
GE 1500	71.3	73.2	73.2	73.2	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.8	73.8
GE 1200	73.3	75.4	75.7	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.2	76.2
GE 1000	77.9	76.6	76.2	76.2	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.8	76.8
GE 900	75.7	77.8	78.0	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.7	78.7
GE 800	76.2	78.3	78.6	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.2	79.2
GE 700	77.2	79.4	79.7	79.7	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.3	80.3
GE 600	79.4	80.6	81.0	81.0	81.3	81.3	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.7	81.8	81.8
GE 500	79.8	82.3	83.2	83.2	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.9	84.0	84.0
GE 400	80.1	83.6	83.8	83.9	84.1	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.4	84.6	84.6
GE 300	80.2	84.2	84.4	84.4	84.6	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.1	85.2	85.2
GE 200	81.0	85.1	85.3	85.3	85.7	85.7	85.8	85.9	86.0	86.1	86.2	86.2	86.2	86.3	86.4	86.4
GE 150	81.0	85.2	85.4	85.4	85.9	85.9	86.0	86.1	86.2	86.4	86.7	86.7	86.8	86.9	87.0	87.0
GE 100	81.0	85.6	86.0	86.0	86.4	86.4	86.6	86.7	86.8	87.3	87.6	87.7	87.9	87.9	88.0	88.0
GE 050	81.0	86.4	86.7	86.7	87.1	87.1	87.2	87.3	87.4	88.0	88.2	88.3	88.4	88.6	88.7	88.7
GE 000	80.9	87.4	87.7	87.7	88.1	88.1	88.2	88.3	88.8	89.3	89.7	89.8	90.1	90.2	90.3	90.3
CEIL	82.3	87.9	88.1	88.1	88.6	88.6	88.9	89.1	89.6	90.1	90.4	90.6	90.9	91.0	91.1	91.1
GE 000	82.8	89.3	89.7	89.7	90.1	90.4	90.8	91.1	91.7	92.7	93.2	93.4	93.9	94.0	94.1	94.1
GE 000	82.8	89.9	90.6	90.6	91.0	91.3	91.6	92.1	92.8	93.6	94.3	94.9	95.3	95.4	95.6	95.6
GE 000	82.9	90.2	91.0	91.1	91.5	91.9	92.3	92.6	93.3	94.0	95.1	95.8	96.3	97.0	97.2	97.4
GE 000	82.9	90.2	91.0	91.1	91.5	92.0	92.4	92.7	93.7	94.7	95.4	96.1	97.0	98.2	98.4	98.7
GE 000	82.9	90.3	91.1	91.2	91.5	92.3	92.8	93.2	94.2	94.7	95.6	96.7	97.7	98.9	99.2	99.4
GE 000	82.9	90.3	91.1	91.2	91.5	92.3	92.8	93.2	94.2	94.7	95.9	96.7	97.7	98.9	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72664 STATION NAME: ELLSWORTH AFB SD

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 7/16	GE 1/4	GE 0
GE CEIL	53.7	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5	54.5
GE 20000	61.2	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.1
GE 18000	61.6	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.6	62.6
GE 16000	61.8	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.8	62.8
GE 14000	62.9	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.9	63.9
GE 12000	64.7	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7
GE 10000	68.2	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.3	69.3
GE 9000	68.7	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8
GE 8000	70.4	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.6
GE 7000	73.6	74.5	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9
GE 6000	74.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.2	76.2	76.2	76.3	76.3
GE 5000	76.6	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.1	78.1	78.1	78.2	78.2
GE 4500	77.1	78.2	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.7	78.7	78.7	78.8	78.8
GE 4000	78.3	79.5	79.7	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.1	80.1	80.2	80.2	80.3	80.3
GE 3500	78.9	80.2	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.9	80.9	81.0	81.1	81.1
GE 3000	80.2	81.7	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.6	82.6
GE 2500	81.2	83.0	83.4	83.5	83.7	83.7	83.8	83.9	83.9	84.0	84.1	84.2	84.2	84.2	84.3	84.3
GE 2000	81.9	84.0	84.4	84.6	84.8	85.0	85.1	85.2	85.2	85.3	85.4	85.5	85.5	85.5	85.6	85.6
GE 1800	82.1	84.3	84.8	85.1	85.3	85.3	85.4	85.4	85.5	85.6	85.6	85.7	85.8	85.8	85.9	85.9
GE 1600	82.4	85.1	85.6	85.8	86.1	86.1	86.2	86.2	86.3	86.4	86.5	86.6	86.7	86.7	86.8	86.8
GE 1400	82.6	85.6	86.0	86.2	86.4	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.1	87.2	87.2
GE 1200	83.0	86.2	86.6	86.8	87.0	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.6	87.6	87.7	87.7
GE 1000	83.7	86.9	87.3	87.5	87.6	87.6	87.8	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.5
GE 900	83.9	87.1	87.5	87.7	87.8	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.7
GE 800	84.1	87.4	87.8	88.0	88.1	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.0
GE 700	84.4	87.7	88.1	88.3	88.4	88.5	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.3
GE 600	84.6	88.0	88.4	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.7
GE 500	84.8	88.2	88.6	88.8	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.0
GE 400	85.0	88.4	88.8	89.0	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.2
GE 300	85.1	88.5	88.9	89.1	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.3
GE 200	85.2	88.6	89.0	89.2	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.4
GE 100	85.2	88.6	89.0	89.2	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.4
GE 0	85.2	88.6	89.0	89.2	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.4

TOTAL NUMBER OF OBSERVATIONS: 7201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
MONTHS: 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 7/8	GE 3/4	GE 1/2	GE 7/16	GE 1/4	GE 0
40 CEIL	67.2	61.6	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.2	62.2
GE 20000	66.1	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0
GE 15000	66.1	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0
GE 10000	66.2	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1
GE 9000	66.7	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.6
GE 8000	67.3	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.3
GE 7000	69.4	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.3
GE 6000	69.5	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.4	71.4
GE 5000	73.9	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	75.1	75.1
GE 4000	73.4	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.6	75.6
GE 3000	74.7	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.9	76.9
GE 2500	76.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.8	78.8
GE 2000	77.0	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.5	79.5
GE 1500	79.4	81.7	81.7	81.8	81.8	81.8	82.0	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.3	82.3
GE 1000	82.0	82.4	82.4	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.9	82.9
GE 900	83.4	83.9	83.9	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5
GE 800	83.5	84.9	84.9	85.2	85.2	85.2	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.6	85.6
GE 700	85.3	86.5	86.6	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.6	87.6
GE 600	87.4	88.6	88.9	87.5	87.6	87.6	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.1	88.1
GE 500	88.1	87.7	87.9	88.5	88.6	88.6	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	89.0	89.0
GE 400	88.6	89.5	89.7	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9
GE 300	89.8	90.8	90.9	89.9	89.9	89.9	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.6
GE 200	90.9	90.9	91.1	89.9	90.0	90.0	90.3	90.6	90.6	91.0	91.1	91.1	91.1	91.1	91.2	91.2
GE 150	91.3	89.4	89.7	90.4	90.5	90.5	90.9	91.2	91.2	91.5	91.6	91.6	91.6	91.6	91.7	91.7
GE 100	89.5	89.9	90.2	91.0	91.1	91.1	91.4	91.7	91.7	92.2	92.4	92.4	92.4	92.4	92.5	92.5
GE 50	92.9	93.4	93.6	91.5	91.6	91.6	91.9	92.3	92.3	92.7	93.0	93.0	93.0	93.1	93.1	93.1
GE 0	96.2	91.6	91.8	92.5	92.3	92.3	92.1	93.4	93.4	94.9	95.2	95.3	95.3	95.3	95.4	95.4
GE 0*	96.5	91.3	91.6	92.4	92.7	92.7	93.0	93.9	93.9	95.6	95.9	96.0	96.1	96.1	96.2	96.2
GE 0*	96.8	92.0	92.2	92.9	92.7	94.2	94.2	95.1	95.4	97.1	97.5	97.7	97.8	97.8	98.0	98.0
GE 0*	96.8	92.6	92.9	93.7	94.2	94.2	95.1	95.4	95.4	97.4	98.0	98.5	98.7	98.7	99.0	99.0
GE 0*	96.8	92.6	92.9	93.7	94.2	94.2	95.1	95.4	95.4	97.4	98.0	98.6	99.1	99.1	99.8	99.8
GE 0	66.8	92.6	92.9	93.7	94.2	94.2	95.1	95.4	95.4	97.4	98.0	98.6	99.1	99.1	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
50 CEIL	67.9	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.4	
[illegible]	67.7	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	69.0	
[illegible]	67.7	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	69.0	
[illegible]	67.4	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.8	
[illegible]	67.4	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.8	
[illegible]	67.4	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.8	
[illegible]	67.8	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.6	
[illegible]	68.5	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.2	
[illegible]	71.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.8	
[illegible]	71.2	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.9	
[illegible]	75.6	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.7	
[illegible]	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.5	
[illegible]	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	78.1	
[illegible]	77.7	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.4	
[illegible]	77.4	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.6	
[illegible]	78.1	80.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.6	
[illegible]	78.7	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.5	
[illegible]	81.0	83.0	83.2	83.3	83.5	83.5	83.6	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8	84.0	
[illegible]	83.3	84.5	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.5	
[illegible]	84.0	86.5	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.7	
[illegible]	84.0	86.6	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.8	
[illegible]	84.1	87.0	87.5	87.7	88.0	88.0	88.1	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.5	
[illegible]	84.4	87.5	88.1	88.3	88.5	88.5	88.6	88.6	88.6	88.8	89.0	89.1	89.1	89.1	89.1	89.4	
[illegible]	84.5	87.6	88.2	88.5	88.7	88.7	89.0	89.0	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.6	
[illegible]	84.9	88.1	88.8	88.9	89.1	89.1	89.5	89.5	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.2	
[illegible]	85.1	88.6	89.1	89.3	89.7	89.7	90.0	90.0	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.8	
[illegible]	85.5	89.1	89.7	90.0	90.2	90.2	90.5	90.5	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.3	
[illegible]	85.7	89.6	90.1	90.4	90.6	90.6	91.1	91.1	91.2	92.0	92.2	92.2	92.2	92.2	92.2	92.4	
[illegible]	85.9	90.0	90.6	91.2	91.5	91.5	92.3	92.3	92.7	93.8	94.1	94.1	94.2	94.2	94.2	94.4	
[illegible]	86.1	90.5	91.2	91.8	92.5	92.8	93.6	94.0	94.2	95.6	95.9	95.9	96.0	96.0	96.0	96.2	
[illegible]	86.2	90.6	91.6	92.3	93.2	93.3	94.2	94.6	94.8	96.1	97.2	97.4	97.4	97.5	97.5	97.7	98.0
[illegible]	86.2	90.6	91.6	92.3	93.2	93.4	94.3	94.7	94.9	96.2	97.3	97.7	97.8	98.4	98.4	98.8	99.1
[illegible]	86.2	90.6	91.6	92.3	93.2	93.4	94.3	94.7	94.9	96.2	97.3	97.8	99.0	98.7	98.9	99.4	99.7
[illegible]	86.2	90.6	91.6	92.3	93.2	93.4	94.3	94.7	94.9	96.2	97.3	98.0	98.1	98.9	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 931

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-88
MONTH: DEC HOURS(LST): 0000-2300

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 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	59.0	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.5
[illegible]	64.5	64.5	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.2
[illegible]	65.7	65.6	65.8	65.8	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.3
[illegible]	64.9	64.9	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.6
[illegible]	64.7	65.7	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3
[illegible]	65.9	66.8	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.5
[illegible]	69.2	70.3	70.5	70.5	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1
[illegible]	69.5	70.5	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.3
[illegible]	73.8	74.8	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7
[illegible]	73.9	75.1	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8
[illegible]	74.6	75.9	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.7
[illegible]	76.5	78.1	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8
[illegible]	76.6	78.1	78.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0
[illegible]	77.5	79.2	80.5	80.5	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.5
[illegible]	77.6	81.4	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.6
[illegible]	77.9	82.6	83.1	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.8	83.8	83.8	83.9
[illegible]	85.2	94.1	94.6	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.6
[illegible]	85.3	95.3	95.8	95.8	96.5	96.5	96.6	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	97.0
[illegible]	86.1	96.1	96.1	96.1	96.8	96.8	96.9	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.3
[illegible]	86.2	96.3	96.4	96.4	97.4	97.4	97.5	97.7	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.2
[illegible]	86.4	96.9	97.4	97.4	98.4	98.4	98.6	98.8	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.4
[illegible]	87.5	97.7	98.2	98.2	99.1	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0
[illegible]	87.6	97.8	98.3	98.3	99.2	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	87.6	97.8	98.3	98.3	99.2	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	87.6	97.8	98.3	98.3	99.2	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	87.6	97.8	98.3	98.3	99.2	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	87.6	97.8	98.3	98.3	99.2	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

...AL CLIMATOLOGY BRANCH
...SFETAC
...R WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726627 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
MONTH: DEC HOURS(LST): 0900-1100

CEILING (FT)	VISIBILITY IN STATUTE MILES															
	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
CEIL	55.2	56.1	56.2	56.1	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6
	64.6	65.5	65.5	65.6	65.8	65.9	65.9	66.	66.0	66.1	66.2	66.2	66.1	66.1	66.1	66.1
	65.7	66.1	66.1	66.2	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8
	65.7	66.1	66.1	66.2	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.9	66.9	66.9
	67.1	67.2	67.2	67.3	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
	67.7	68.6	68.6	68.7	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2
	71.1	71.9	71.9	72.0	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.4	72.4	72.4	72.4
	73.2	73.1	73.2	73.1	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.7
	76.8	76.4	76.6	76.7	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4
	77.1	76.3	78.3	78.4	78.6	78.7	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0
	79.2	79.4	79.4	79.5	79.8	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2
	79.4	81.5	80.6	81.6	81.2	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6
	81.3	81.3	81.4	81.5	81.7	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4
	91.2	92.2	82.3	82.5	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3
	83.7	82.9	83.1	83.3	83.5	83.6	84.0	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4
	84.2	84.4	84.4	84.6	85.2	85.3	85.4	85.7	85.7	85.7	85.7	85.8	85.9	85.9	85.9	85.9
	86.7	86.1	86.2	86.3	86.1	86.2	86.6	86.6	86.6	86.6	86.6	86.7	86.8	86.8	86.8	86.8
	86.3	86.3	86.7	87.1	87.6	87.7	88.1	88.4	88.4	88.4	88.4	88.5	88.6	88.6	88.6	88.6
	86.2	86.2	86.7	87.1	87.6	87.7	88.1	88.4	88.4	88.4	88.4	88.5	88.6	88.6	88.6	88.6
	86.7	86.8	87.1	87.7	88.3	88.4	88.8	89.2	89.2	89.2	89.2	89.4	89.5	89.5	89.5	89.5
	86.7	87.5	87.8	88.8	89.1	89.2	89.7	90.1	90.1	90.1	90.1	90.2	90.3	90.3	90.3	90.3
	87.4	88.2	88.2	88.4	89.2	89.4	90.5	91.1	91.1	91.1	91.1	91.2	91.3	91.3	91.3	91.3
	88.1	88.7	88.8	89.0	89.8	90.0	90.9	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0
	88.2	89.1	89.2	90.2	91.0	91.1	91.7	92.2	92.3	92.3	92.3	92.5	92.6	92.6	92.6	92.6
	88.2	89.2	89.3	90.4	91.2	91.4	92.0	92.5	92.6	92.6	92.6	92.7	92.8	92.8	92.8	92.8
	88.1	89.1	89.2	90.2	91.0	91.2	91.8	92.3	92.4	92.4	92.4	92.5	92.6	92.6	92.6	92.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-84
MONTHS: DEC HOURS(LST): 1200-1400

CEILING IN HUNDREDS OF 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 0
GE 22000	58.4	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8
GE 18000	65.5	66.5	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9
GE 14000	66.9	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5
GE 10000	66.9	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5
GE 9000	67.5	68.8	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2
GE 8000	70.5	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3
GE 7000	73.7	75.2	75.2	75.2	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7
GE 6000	74.7	76.1	76.1	76.1	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7
GE 5000	77.6	79.0	79.0	79.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.3	80.4	80.4	80.4	80.4
GE 4000	79.7	81.0	81.1	81.1	81.4	81.4	81.4	81.5	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7
GE 3500	79.9	82.3	82.4	82.4	82.7	82.7	82.7	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 3000	81.4	82.8	84.1	84.1	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE 2500	81.5	82.9	84.2	84.2	84.5	84.5	84.5	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8
GE 2000	82.7	84.1	86.2	86.3	86.7	86.7	86.7	86.8	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0
GE 1800	83.0	86.2	86.6	86.6	86.9	86.9	86.9	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 1500	84.5	87.2	87.5	87.5	88.1	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4
GE 1200	84.8	87.5	88.0	88.0	88.6	88.6	88.6	88.7	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0
GE 1000	85.9	89.0	90.2	90.5	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2
GE 900	85.9	89.0	90.2	90.5	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2
GE 800	86.6	89.8	91.0	91.3	91.8	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1
GE 700	87.2	90.5	91.8	92.1	92.5	92.5	92.7	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5
GE 600	87.2	91.0	91.9	92.2	92.7	92.7	92.9	93.4	93.4	94.3	94.4	94.4	94.5	94.5	94.5	94.5
GE 500	87.3	91.4	91.9	92.2	93.2	93.3	93.7	94.0	94.0	95.1	95.2	95.2	95.3	95.3	95.3	95.3
GE 400	87.5	91.7	92.2	92.5	93.5	93.7	94.2	94.4	94.4	95.1	95.5	95.6	95.6	95.8	95.8	95.8
GE 300	87.7	92.0	92.7	92.9	94.3	94.4	94.7	95.0	95.0	95.8	96.1	96.2	96.3	96.4	96.4	96.4
GE 200	87.8	92.3	93.0	93.2	94.4	94.5	94.8	95.2	95.2	96.1	96.7	97.0	97.1	97.4	97.4	97.4
GE 150	87.7	92.4	93.2	93.6	94.5	94.6	94.9	95.3	95.3	96.2	97.2	97.3	97.4	98.2	98.2	98.2
GE 100	87.7	92.4	93.2	93.6	94.5	94.6	94.9	95.3	95.3	96.2	97.2	97.3	97.4	98.2	98.2	98.2
GE 50	87.7	92.4	93.2	93.6	94.5	94.6	94.9	95.3	95.3	96.2	97.2	97.3	97.4	98.2	98.2	98.2
GE 0	87.7	92.4	93.2	93.6	94.5	94.6	94.9	95.3	95.3	96.2	97.2	97.3	97.4	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS: 2[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 1/2	GE 1/4	GE 1/16	GE 0
NO CEIL	57.0	57.0	57.0	57.0	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2
GE 20000	66.2	66.8	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.4
GE 15000	66.7	67.5	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.2
GE 10000	67.2	67.8	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.5
GE 7000	68.4	69.2	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.9
GE 5000	71.1	72.0	72.2	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.7
GE 3500	73.8	74.6	75.2	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
GE 3000	74.3	75.2	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.6
GE 2500	75.4	76.7	77.6	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.6
GE 2000	77.5	78.9	79.8	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.8
GE 1500	78.7	80.2	81.2	81.8	82.0	82.0	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.3
GE 1000	80.1	81.6	82.6	83.2	83.4	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.7
GE 700	80.5	82.0	83.0	83.6	83.8	83.8	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.1
GE 500	80.9	82.4	83.4	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.5
GE 400	81.1	82.6	83.6	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.7
GE 300	81.3	82.8	83.8	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.9
GE 200	81.4	83.0	84.0	84.6	84.8	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.1
GE 150	81.5	83.1	84.1	84.7	84.9	84.9	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.2
GE 100	81.6	83.2	84.2	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3
GE 0	81.6	83.2	84.2	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3

TOTAL NUMBER OF OBSERVATIONS: 992

USAFETAC
21st WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72652 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-88
MONTH: DEC HOURS(LST): 1400-2000

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
5	57.7	57.7	57.4	57.4	56.1	55.1	54.2	54.2	54.2	54.1	53.4	53.4	4.4	4.4	4.4	4.4
4	58.1	58.1	57.8	57.8	56.4	55.4	54.5	54.5	54.5	54.4	53.7	53.7	4.7	4.7	4.7	4.7
3	58.7	58.1	58.0	57.8	56.5	55.4	54.5	54.5	54.5	54.4	53.7	53.7	4.7	4.7	4.7	4.7
2	58.7	58.1	58.0	57.8	56.5	55.4	54.5	54.5	54.5	54.4	53.7	53.7	4.7	4.7	4.7	4.7
1	58.7	58.1	58.0	57.8	56.5	55.4	54.5	54.5	54.5	54.4	53.7	53.7	4.7	4.7	4.7	4.7
0	58.7	58.1	58.0	57.8	56.5	55.4	54.5	54.5	54.5	54.4	53.7	53.7	4.7	4.7	4.7	4.7

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
9	71.7	71.6	71.4	71.4	70.2	69.2	68.3	68.3	68.3	68.2	67.5	67.5	7.5	7.5	7.5	7.5
8	72.0	72.0	71.8	71.8	70.6	69.6	68.7	68.7	68.7	68.6	67.9	67.9	7.9	7.9	7.9	7.9
7	72.1	72.0	71.8	71.8	70.6	69.6	68.7	68.7	68.7	68.6	67.9	67.9	7.9	7.9	7.9	7.9
6	72.1	72.0	71.8	71.8	70.6	69.6	68.7	68.7	68.7	68.6	67.9	67.9	7.9	7.9	7.9	7.9
5	72.1	72.0	71.8	71.8	70.6	69.6	68.7	68.7	68.7	68.6	67.9	67.9	7.9	7.9	7.9	7.9
4	72.1	72.0	71.8	71.8	70.6	69.6	68.7	68.7	68.7	68.6	67.9	67.9	7.9	7.9	7.9	7.9

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
9	77.7	77.6	77.4	77.4	76.2	75.2	74.3	74.3	74.3	74.2	73.5	73.5	13.5	13.5	13.5	13.5
8	78.0	78.0	77.8	77.8	76.6	75.6	74.7	74.7	74.7	74.6	73.9	73.9	13.9	13.9	13.9	13.9
7	78.1	78.0	77.8	77.8	76.6	75.6	74.7	74.7	74.7	74.6	73.9	73.9	13.9	13.9	13.9	13.9
6	78.1	78.0	77.8	77.8	76.6	75.6	74.7	74.7	74.7	74.6	73.9	73.9	13.9	13.9	13.9	13.9
5	78.1	78.0	77.8	77.8	76.6	75.6	74.7	74.7	74.7	74.6	73.9	73.9	13.9	13.9	13.9	13.9
4	78.1	78.0	77.8	77.8	76.6	75.6	74.7	74.7	74.7	74.6	73.9	73.9	13.9	13.9	13.9	13.9

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
9	79.-	81.-	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.0	81.4	81.5	81.7	81.7	81.7
8	79.7	81.6	81.9	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
7	79.-	82.9	83.1	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9
6	81.5	84.5	84.7	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5
5	82.1	85.1	85.4	85.6	86.1	86.2	86.2	86.2	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
3	87.7	87.1	86.7	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
2	88.7	87.9	87.7	87.5	88.2	88.4	88.4	88.4	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8
1	89.0	87.7	87.5	87.4	88.0	88.2	88.2	88.2	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5
0	89.0	87.7	87.5	87.4	88.0	88.2	88.2	88.2	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
3	91.4	91.3	91.0	90.9	90.4	90.4	90.3	90.3	90.3	90.2	89.7	89.7	89.7	89.7	89.7	89.7
2	91.7	91.7	91.4	91.4	90.9	90.8	90.7	90.7	90.7	90.6	90.1	90.1	90.1	90.1	90.1	90.1
1	91.8	91.8	91.6	91.5	91.0	90.9	90.8	90.8	90.8	90.7	90.1	90.1	90.1	90.1	90.1	90.1
0	91.8	91.8	91.6	91.5	91.0	90.9	90.8	90.8	90.8	90.7	90.1	90.1	90.1	90.1	90.1	90.1

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
2	98.2	98.1	98.0	97.9	97.6	97.5	97.4	97.4	97.4	97.3	96.7	96.7	96.7	96.7	96.7	96.7
1	98.3	98.2	98.1	98.0	97.7	97.6	97.5	97.5	97.5	97.4	96.8	96.8	96.8	96.8	96.8	96.8
0	98.3	98.2	98.1	98.0	97.7	97.6	97.5	97.5	97.5	97.4	96.8	96.8	96.8	96.8	96.8	96.8

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
1	99.2	99.1	99.0	99.0	98.5	98.5	98.4	98.4	98.4	98.4	97.8	97.8	97.8	97.8	97.8	97.8
0	99.2	99.1	99.0	99.0	98.5	98.5	98.4	98.4	98.4	98.4	97.8	97.8	97.8	97.8	97.8	97.8

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10+	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/8	1/4	0
0	99.2	99.1	99.0	99.0	98.5	98.5	98.4	98.4	98.4	98.4	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS: 1232

...AL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...ERVICE FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

...TION NUMBER: 7... STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 2100-2300

CEILING	VISIBILITY IN STATUTE MILES														
IN FEET	M	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
CLR	58.8	59.2	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	60.0	60.0
[illegible]	64.5	65.4	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.5	66.5	66.5	66.5	66.6	66.6
[illegible]	65.7	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.4	67.4
[illegible]	65.8	66.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.4	67.4
[illegible]	67.5	67.3	67.5	67.6	67.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.1	68.1
[illegible]	67.8	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.4	69.4	69.4	69.4	69.5	69.5
[illegible]	70.5	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.5	71.5
[illegible]	70.1	71.0	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.7	71.7
[illegible]	73.7	74.6	74.9	74.9	75.1	75.1	75.1	75.1	76.1	75.3	75.3	75.3	75.3	75.4	75.4
[illegible]	76.1	76.4	76.8	76.9	76.6	76.6	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.9	76.9
[illegible]	77.9	77.6	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.6	78.6
[illegible]	79.9	79.8	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.6	80.6
[illegible]	79.5	80.2	80.6	80.8	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.4	81.4
[illegible]	81.7	81.7	82.1	82.4	82.6	82.6	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.9	82.9
[illegible]	83.6	84.2	84.7	84.9	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.4	84.4
[illegible]	85.0	84.9	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	86.0	86.0
[illegible]	86.4	86.8	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.6	87.6
[illegible]	88.6	88.7	88.8	88.9	88.7	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.1	89.1
[illegible]	89.4	89.7	89.7	89.8	89.1	89.1	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.6	89.6
[illegible]	90.4	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.2	91.2	91.2	91.2	91.3	91.3
[illegible]	91.2	91.4	91.5	91.6	91.2	91.2	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.7	91.7
[illegible]	92.6	92.6	92.1	92.7	92.3	92.3	92.6	92.7	92.7	92.7	92.9	92.9	92.9	93.0	93.0
[illegible]	93.4	93.2	93.7	93.8	93.6	93.6	93.7	93.7	93.7	93.7	93.9	93.9	93.9	94.0	94.0
[illegible]	93.8	93.6	93.7	93.7	93.6	93.6	93.7	94.0	94.0	94.3	94.5	94.5	94.5	94.6	94.6
[illegible]	94.7	94.7	95.0	95.0	93.9	94.1	94.5	94.6	94.6	95.1	95.2	95.2	95.3	95.4	95.4
[illegible]	96.4	96.7	97.0	97.1	96.8	96.8	96.9	96.9	96.9	96.2	96.5	96.5	96.5	96.6	96.6
[illegible]	97.4	97.7	98.0	98.1	96.6	96.6	96.7	96.8	96.8	97.6	97.8	97.8	98.1	98.2	98.3
[illegible]	98.5	98.5	98.6	98.7	98.8	98.8	98.9	97.4	97.4	98.1	98.4	98.4	98.6	98.7	98.8
[illegible]	99.6	97.7	98.7	98.8	98.6	98.6	98.7	97.5	97.5	98.2	98.8	98.8	99.0	99.1	99.2
[illegible]	99.0	99.7	99.7	99.8	98.6	98.6	98.7	97.4	97.4	98.1	99.1	99.1	99.4	99.5	99.6
[illegible]	99.5	99.7	99.7	99.8	98.6	98.6	98.7	97.5	97.5	98.2	99.2	99.2	99.6	99.7	99.9
[illegible]	99.6	99.7	99.7	99.8	98.6	98.6	98.7	97.5	97.5	98.2	99.2	99.2	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: ...

AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATE & NUMBER: 72062 STATION NAME: FLESWORTH AFB CO PERIOD OF RECORD: 77-84
MONTH: DEC HOURS(LST): ALL

CEILING (FT)	VISIBILITY IN STATUTE MILES														
	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	65.1	66.1	66.7	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.7	66.7	66.7	66.7
[illegible]	65.7	66.8	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.4
[illegible]	65.8	66.9	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.5
[illegible]	66.6	67.7	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.3
[illegible]	68.4	69.5	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.1
[illegible]	71.2	72.4	72.5	72.5	72.7	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	73.0
[illegible]	71.7	72.8	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.4	73.4	73.4	73.5
[illegible]	74.9	76.2	76.3	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.9	76.8	76.9	76.9
[illegible]	76.9	77.4	77.5	77.6	77.8	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.1	78.1	78.1	78.1
[illegible]	77.2	78.7	78.9	79.0	79.2	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.5	79.5
[illegible]	79.8	80.5	80.7	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.4
[illegible]	80.3	80.9	81.1	81.3	81.5	81.5	81.6	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.9
[illegible]	82.6	82.7	82.9	83.1	83.3	83.3	83.4	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.7	83.7
[illegible]	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.8
[illegible]	85.0	84.9	85.2	85.4	85.7	85.7	85.8	85.8	85.8	85.9	86.0	86.0	86.0	86.0	86.1	86.1
[illegible]	86.6	86.6	86.8	86.9	86.9	86.8	86.9	86.9	86.9	87.0	87.1	87.1	87.2	87.2	87.2	87.2
[illegible]	88.0	87.8	87.9	88.0	88.5	88.5	88.7	88.8	88.8	88.9	89.0	89.0	89.0	89.0	89.1	89.1
[illegible]	88.6	88.5	88.7	88.9	88.7	88.7	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.3	89.3
[illegible]	89.0	89.1	89.4	89.1	89.4	89.5	89.7	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.1	90.1
[illegible]	90.6	90.6	90.5	90.6	90.4	90.4	90.6	90.6	90.8	90.9	91.0	91.1	91.1	91.1	91.2	91.2
[illegible]	90.9	91.4	91.7	91.6	91.3	91.0	91.3	91.6	91.6	91.7	91.8	91.9	92.0	92.0	92.0	92.1
[illegible]	91.7	91.9	91.8	91.8	91.5	91.6	91.9	92.2	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.5
[illegible]	92.6	92.4	92.1	91.7	92.1	92.1	92.5	92.6	92.6	93.0	93.3	93.5	93.7	93.6	93.8	93.9
[illegible]	92.7	92.7	91.9	92.0	92.5	92.6	93.1	93.5	93.6	94.0	94.2	94.4	94.6	94.6	94.6	94.7
[illegible]	92.7	92.1	91.8	92.0	92.6	93.1	93.6	94.1	94.2	94.7	95.0	95.2	95.4	95.4	95.4	95.5
[illegible]	92.7	91.9	92.1	93.0	93.2	93.6	94.2	94.6	94.9	95.6	96.0	96.3	96.7	96.7	96.8	96.9
[illegible]	92.8	91.9	92.6	93.6	94.2	94.6	94.9	95.6	95.7	96.7	97.1	97.3	97.4	97.6	97.9	98.0
[illegible]	92.9	92.1	93.1	94.1	94.6	94.7	95.4	96.1	96.2	97.3	97.8	98.1	98.6	98.7	98.8	98.9
[illegible]	92.9	92.1	93.1	94.1	94.6	94.7	95.5	96.1	96.3	97.4	97.9	98.3	99.0	99.1	99.4	99.5
[illegible]	92.9	92.1	93.1	94.0	94.7	94.7	95.5	96.2	96.4	97.6	98.1	98.5	99.2	99.3	99.7	100.0
ALT	92.9	92.1	93.1	94.1	94.7	94.7	95.5	96.2	96.4	97.6	98.2	98.5	99.2	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

...ERAL CLIMATOLOGY BRANCH
...CAFETAC
...IR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	GE 0
...ILING UNLTD	97.9	88.3	58.4	56.4	50.4	48.4	50.4	55.5	54.5	68.5	58.5	56.5	58.5	58.5	58.5	58.5
... 25000	65.7	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4
... 20000	66.5	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7
... 15000	67.1	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
... 10000	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7
... 9000	69.1	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
... 8000	72.1	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0
... 7000	73.4	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5
... 6000	75.8	76.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8
... 5000	77.5	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	78.0	78.0	78.0
... 4500	78.1	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3
... 4000	80.3	81.1	81.2	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6
... 3500	81.8	81.9	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5
... 3000	87.9	84.1	84.2	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.7	84.7
... 2500	84.5	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7
... 2000	85.2	86.5	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3
... 1800	86.2	87.4	87.6	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3
... 1600	86.8	88.4	88.7	88.9	89.1	89.1	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.5	89.5	89.5
... 1400	87.2	88.7	89.0	89.2	89.4	89.4	89.5	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.8
... 1200	87.6	89.3	89.6	90.1	90.3	90.3	90.4	90.5	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.8
... 1000	89.3	90.3	90.7	91.0	91.2	91.3	91.4	91.5	91.5	91.6	91.6	91.7	91.7	91.7	91.8	91.8
... 900	89.6	91.3	91.4	91.7	92.0	92.0	92.2	92.2	92.4	92.5	92.5	92.6	92.6	92.6	92.7	92.7
... 800	89.9	91.2	91.7	92.0	92.3	92.4	92.6	92.7	92.8	92.9	92.9	93.0	93.0	93.1	93.1	93.1
... 700	90.2	91.6	92.1	92.4	92.8	92.9	93.0	93.0	93.2	93.4	93.5	93.5	93.6	93.6	93.7	93.7
... 600	90.4	91.9	92.4	92.7	93.2	93.2	93.4	93.5	93.7	93.9	94.0	94.1	94.2	94.2	94.3	94.3
... 500	90.6	92.2	92.8	93.1	93.6	93.7	93.9	94.1	94.2	94.5	94.6	94.7	94.8	94.8	94.9	94.9
... 400	91.5	93.0	93.4	93.7	94.4	94.5	94.6	95.1	95.2	95.6	95.8	95.9	96.0	96.0	96.1	96.2
... 300	92.1	93.2	93.9	94.5	95.1	95.1	95.6	95.9	96.1	96.6	96.8	96.9	97.1	97.2	97.2	97.3
... 200	92.3	93.5	94.2	94.9	95.5	95.6	96.1	96.4	96.7	97.3	97.4	97.7	98.0	98.1	98.2	98.3
... 100	92.3	93.6	94.4	95.1	95.8	95.9	96.4	96.7	97.1	97.8	98.0	98.4	98.6	98.9	99.1	99.3
0	92.3	93.6	94.4	95.1	95.8	95.9	96.4	96.7	97.1	97.8	98.0	98.4	98.6	99.1	99.2	99.5
...DEF	92..	7.6	94.4	95.1	95.8	95.9	96.5	97..	97.2	97.9	98.2	98.4	98.9	99.1	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS: 87441

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
[illegible]	27.5			27.9						19.4	25.2	5.1	928
[illegible]	24.2			26.2						20.3	27.3	5.4	924
[illegible]	12.1			24.9						24.2	28.9	6.1	928
[illegible]	6.9			22.4						23.8	27.1	6.7	930
[illegible]	6.5			23.4						24.0	26.1	6.7	930
[illegible]	5.1			21.3						21.2	26.8	6.8	930
[illegible]	12.5			25.9						24.5	27.2	6.3	928
[illegible]	21.3			21.2						23.8	27.1	5.6	930
TOTALS	14.5			23.1						23.5	26.0	6.0	7435

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
[illegible]	23.3			21.4						17.8	20.4	5.6	840
[illegible]	21.4			25.1						23.6	28.5	5.7	842
[illegible]	8.8			21.9						28.8	32.6	8.4	840
[illegible]	3.7			24.8						25.8	32.3	7.3	840
[illegible]	2.1			21.6						27.6	28.6	7.2	840
[illegible]	1.7			22.1						30.4	28.6	7.3	840
[illegible]	7.8			27.1						25.9	29.2	6.4	840
[illegible]	19.2			21.7						19.6	25.7	5.8	840
TOTALS	10.1			24.2						23.6	27.4	6.5	6758

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	22.9			27.6						19.6	29.9	5.6	930
03-05	23.3			27.6						23.4	25.8	5.9	930
06-08	7.7			20.9						29.7	41.7	6.8	930
09-11	6.1			20.9						31.4	41.6	7.0	930
12-14	3.5			27.8						27.4	41.2	7.3	930
15-17	2.8			31.5						24.5	41.1	7.4	930
18-20	5.6			37.8						27.2	29.4	6.5	930
21-23	14.2			31.0						21.5	34.3	6.7	929
TOTALS	11.0			30.4						27.7	30.8	6.5	7439

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	23.7			29.6						19.2	27.5	5.4	899
03-05	19.4			28.1						20.1	26.9	5.5	898
06-08	8.5			24.4						33.1	28.7	6.5	899
09-11	4.4			31.7						36.3	26.7	6.9	900
12-14	3.3			34.7						34.4	26.9	7.2	900
15-17	1.7			34.2						40.4	26.7	7.2	900
18-20	3.6			37.3						32.7	26.4	6.7	900
21-23	12.7			34.3						25.6	27.1	6.5	900
TOTALS	12.7			34.3						24.9	27.1	6.4	7194

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 73-87
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
01-02	18.3			34.9						20.1	26.7	5.5	929
04-05	8.3			35.9						29.6	26.2	6.1	927
07-08	5.7			39.0						31.3	24.0	6.4	928
10-11	1.7			42.6						31.7	24.6	6.6	927
13-14	.1			34.1						43.1	22.7	7.2	929
16-17				33.4						44.0	22.6	7.2	930
19-20	1.3			38.6						30.2	29.5	6.9	930
22-23	13.5			40.3						23.8	22.4	5.6	930
TOTALS	6.1			37.7						31.6	24.6	6.4	7430

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 73-87
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
01-02	27.0			36.4						17.3	19.2	4.6	900
04-05	15.7			48.3						20.4	15.6	5.3	900
07-08	7.6			46.4						31.4	14.3	5.7	900
10-11	2.6			53.7						30.7	13.1	5.7	900
13-14	.4			46.4						41.2	11.6	6.3	900
16-17	1.3			44.6						45.8	13.7	6.5	900
19-20	2.1			45.2						34.8	13.9	6.2	900
22-23	15.4			41.3						24.0	16.2	5.3	900
TOTALS	9.4			45.2						28.4	14.6	5.7	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72662S STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
01-02	25.5			35.4						21.1	15.1	4.6	930
04-05	11.9			48.6						28.5	13.0	5.3	930
07-08	9.0			49.7						31.4	9.9	5.3	930
10-11	4.0			61.5						26.6	7.9	5.3	930
13-14	.5			61.0						31.3	7.2	5.4	930
16-17	.2			49.8						43.7	6.1	6.1	930
19-20	2.6			49.6						34.9	9.9	5.7	930
22-23	14.3			42.7						27.5	11.4	4.7	93
TOTALS	9.3			50.8						31.3	8.8	5.3	7440

STATION NUMBER: 72662S STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 79-87
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
01-02	27.8			37.7						21.2	13.3	4.8	929
04-05	17.7			48.1						23.4	11.8	4.5	93
07-08	6.8			51.2						29.1	10.3	5.2	93
10-11	4.4			59.1						24.0	8.4	5.1	930
13-14	1.3			54.4						34.0	6.3	5.7	930
16-17	1.1			51.6						42.1	5.3	5.9	929
19-20	3.1			53.6						34.6	6.4	5.6	927
22-23	14.8			46.3						28.2	10.6	4.8	927
TOTALS	11.1			49.6						29.4	9.8	5.1	7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
01-02	38.3			7[illegible].3						13.7	17.7	3.9	898
[illegible]-05	30.9			31.6						23.3	13.3	4.5	90[illegible]
07-08	15.0			35.8						27.3	17.[illegible]	5.4	90[illegible]
10-11	13.3			44.8						27.2	16.3	5.4	900
13-14	5.8			51.1						26.9	14.2	5.6	90[illegible]
16-17	4.7			46.3						35.3	13.3	5.6	90[illegible]
19-20	14.5			44.2						26.1	15.1	5.2	900
22-23	23.5			33.3						19.4	17.4	4.1	9[illegible]
TOTALS	17.5			40.3						24.2	16.3	5.3	7198

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-86
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
01-02	32.2			28.5						18.7	20.6	4.8	930
04-05	31.5			31.4						16.1	[illegible].9	4.5	9[illegible]
07-08	11.3			37.8						27.6	17.[illegible]	5.3	93[illegible]
10-11	7.3			36.1						28.3	20.4	5.2	929
13-14	6.5			39.[illegible]						26.6	19.[illegible]	5.3	930
16-17	7.3			36.9						25.6	19.3	5.2	930
19-20	18.1			39.[illegible]						23.[illegible]	15.1	5.2	930
22-23	24.3			3[illegible].9						14.8	[illegible].3	4.7	930
TOTALS	17.9			3[illegible].4						22.2	19.7	5.1	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
02-02	26.9			27.6						18.6	26.6	5.2	858
05-05	27.2			26.1						19.0	25.7	5.1	846
08-08	11.1			33.5						22.6	32.7	6.3	858
11-11	7.8			32.3						27.1	32.8	6.7	857
14-14	5.2			31.9						24.2	38.7	6.9	858
17-17	4.7			31.1						25.3	34.9	7.0	849
20-20	11.6			33.6						22.5	32.7	6.3	849
23-23	19.4			31.0						19.0	29.6	5.7	849
TOTALS	14.3			31.1						25.6	29.1	6.2	7149

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-86
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
02-02	23.9			30.1						18.6	27.3	5.2	929
05-05	27.5			30.7						17.6	24.2	4.9	929
08-08	11.6			36.7						23.0	31.7	6.3	928
11-11	3.6			36.3						28.2	33.0	6.6	927
14-14	3.2			37.8						27.4	31.6	6.7	930
17-17	4.7			36.4						28.5	31.6	6.6	930
20-20	13.3			34.4						23.2	27.0	6.0	929
23-23	19.8			34.5						21.4	27.6	5.7	927
TOTALS	13.4			34.1						23.4	28.3	6.0	7929

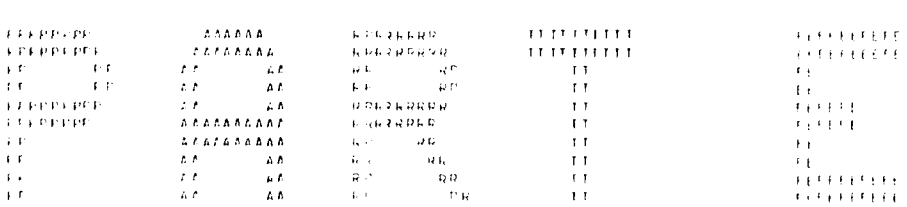
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 77-87
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

	HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
JAN	ALL	14.5			23.1						26.5	36.0	6.6	7437
FEB		10.1			22.0						27.6	38.4	6.8	6758
MAR		11.0			20.4						27.7	41.0	6.8	7435
APR		10.7			20.3						29.9	37.1	6.8	7169
MAY		6.1			17.7						31.0	45.0	6.9	7455
JUN		4.4			15.0						33.0	47.6	7.1	7200
JUL		3.3			15.0						31.3	50.3	7.3	7440
AUG		11.1			19.6						27.9	41.4	6.8	7437
SEP		12.5			18.3						29.2	40.0	6.8	7178
OCT		17.9			25.4						27.0	29.7	6.5	7439
NOV		14.2			21.1						29.0	35.1	6.8	7164
DEC		17.4			24.6						27.8	30.3	6.6	7429
	TOTALS	11.2			21.6						28.9	38.4	6.9	87975



TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM, MINIMUM AND MEAN TEMPERATURES

ARE DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE INFORMATION PRESENTED AT FAHRENHEIT INCREMENTS FOR THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 32 FAHRENHEIT LOWER 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.

LAST TWO LINES ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MONTHLY AND STANDARD DEVIATIONS FOR DRY BULB AND WET BULB TEMPERATURES

ARE DERIVED FROM HOURLY OBSERVATIONS.

ARE PRESENTED BY THE STANDARD 24-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY FOR ALL YEARS COMPILED.

DEPARTURE AND MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

CUMULATIVE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

ARE DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 24-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY FOR ALL YEARS COMPILED.

PERCENTAGE VALUES FOR EVERY 10 PERCENT INCREMENTS OF RELATIVE HUMIDITY.

OBSERVATIONS AND THE MEAN VALUES AT OBSERVATION HOURS.

USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72662 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 1948, 1957

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL

...L CLIMATOLOGY BRANCH
USAFETAC
...WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURE ...
FROM SUMMARY OF DAY DATA

STATION NUMBER: 72... STATION NAME: ... PERIOD OF RECORD: ...

TEMPERATURE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN AL
...	...							.1						..
...	...						.1	..	..	..				..
...	...						..	...	...	..				...
...	...					..	...	...	...	...				...
...	...				..	...	...	...	...	...	..			...
...	...			.1	...	...	...	...	...	...	..	..	..	...
...	...		..	..	...	...	...	...	...	...	..	..	..	...
...	...	..	..	...	...	...	...	...	...	...	...	..	..	...
...	...	..	..	...	...	...	...	...	...	...	...	..	..	...
...	...	..	..	...	...	...	...			...	...	..	..	...
...	...	...	...	...	...	...	...			...	...	...	...

CLIMATOLOGY BRANCH
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 70642 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 74-85, 86-87

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]							.6	.1					.0
[illegible]						.6	3.6	1.6	.7				.5
[illegible]					.1	2.5	13.6	14.6	[illegible]				5.2
[illegible]				.1	.9	11.3	40.1	39.6	[illegible]	.7			14.1
[illegible]				.7	6.2	27.3	74.1	65.6	32.6	1.4			19.9
[illegible]			.1	2.6	17.7	53.1	92.5	85.6	60.5	2.3	.1		29.7
[illegible]			.3	5.5	34.6	75.7	98.3	95.6	[illegible]	12.6	.4		37.1
[illegible]	.1	.2	1.6	16.6	56.1	91.1	99.7	99.6	76.6	35.2	7.2	.2	46.7
[illegible]	.5	2.2	7.5	33.6	77.7	97.6	100.0	100.0	[illegible]	64.4	18.6	1.3	54.7
[illegible]	4.1	7.5	17.1	53.9	90.7	99.6			94.2	78.2	34.7	5.6	63.6
[illegible]	11.6	17.1	31.5	72.1	96.6	99.5			97.6	89.1	44.2	13.7	74.6
[illegible]	27.8	37.4	47.7	85.4	98.6	100.0			99.5	93.5	61.4	31.6	82.7
[illegible]	37.6	45.7	59.6	94.6	99.9				100.0	96.2	71.4	47.6	87.7
[illegible]	51.9	58.3	75.6	98.4	100.0					99.4	84.4	61.1	94.1
[illegible]	61.1	71.6	86.6	99.5						99.4	91.4	76.1	97.6
[illegible]	73.6	81.7	91.6	99.9						100.0	96.7	86.7	99.2
[illegible]	87.1	90.1	96.3	100.0							97.1	94.1	99.8
[illegible]	94.1	96.3	98.9								99.4	98.3	99.8
[illegible]	99.1	99.3	99.9								99.7	99.4	99.9
[illegible]	99.6	99.1	99.9								99.9	99.8	99.9
[illegible]	99.9	99.8	100.0								100.0	99.9	99.9
[illegible]	99.9	99.9										100.0	100.0
[illegible]	100.0	100.0											100.0
[illegible]	[illegible]	[illegible]	74.1	86.9	95.2	99.1	99.9	99.6	91.6	[illegible]	[illegible]	[illegible]	97.6
[illegible]	1,403	1,267	1,220	2,979	4,799	7,814	4,812	4,841	4,845	2,191	1,779	1,434	27,636
[illegible]	1984	1984	1982	1982	1985	1984	1981	1982	1985	1984	1984	1984	1982

[illegible] CLIMATOLOGY BRANCH
[illegible]
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 75-95, 96-97

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MONTH
75		58	76	87	97	98	107	96	94	88	*77	74	
76	56	62	67	74	*91	96	104	98	96	81	78	63	104
77	63	62	66	*71	89	92	101	106	94	87	69	71	106
78	68	65	64	87	88	96	94	99	99	87	77	68	99
79	*57	66	80	84	92	*71	*102	102	94	87	77	78	*102
80	59	62	66	78	87	92	98	103	97	92	84	78	103
81	51	64	72	79	77	91							
82				84	94	89	101	100	95	90	79		
83	54	62	66	87	86	97	104	104	97	94	77	68	104
84	53	67	66	74	85	98	96	97	97	85	74	72	98
85	58	71	65	82	89	98	100	94	94	88	79	74	100
86	56	63	67	86	89	101	106	97	94	84	77	68	106
87	67	68	69	79	82	96	97	100	94	87	77	76	100
88	63	72	71	79	87	96	104	103	91	86	77	67	104
89	62	63	66	84	89	93	96	96	97	88	78	75	97
90	61	68	78	78	87	93	97	92	94	86	82	74	97
91	44	67	67	79	84	88	93	97	88	83	78	71	97
92	63	64	68	87	87	93	96	100	98	86	76	69	100
93	58	64	68	80	85	96	97	102	102	89	78	72	102
94	61	67	78	84	88	95	102	101	102	91	84	76	102
95	68	64	79	91	89	103	102	102	97	92	83	77	103
96	61	71	77	84	93	98	98	97	97	93	82	69	98
97	70	68	70	91	94	98	96	96	94	94	77	74	98
MAX	70	72	79	91	94	103	107	106	102	94	84	78	107
MIN	44	58	64	74	77	88	93	92	88	81	69	63	88
AVG	61	67	72	82	89	97	100	99	97	89	78	72	100
# YRS	21	23	23	23	23	23	21	23	23	23	23	23	23
MAX	70	72	79	91	94	103	107	106	102	94	84	78	107
MIN	44	58	64	74	77	88	93	92	88	81	69	63	88
AVG	61	67	72	82	89	97	100	99	97	89	78	72	100
# YRS	21	23	23	23	23	23	21	23	23	23	23	23	23

NOTES * (BASED ON LESS THAN FULL MONTH)
(AT LEAST ONE DAY LESS THAN [illegible])

CONTINUED ON NEXT PAGE....

...AL CLIMATOLOGY BRANCH
...ATHER/TTT
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 1948, 1977

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
72	61	[illegible]	72	[illegible]	74	92	99	102	100	74	77	66	102
73	61	67	71	77	85	94	99	99	94	91	85	69	99
74	66	*60	63	74	86	91	101	102	98	92	86	77	102
75	64	61	73	82	82	101	100	100	97	76	77	70	101
76	59	68	61	73	83	93	104	103	97	91	84	69	104
77	66	64	64	75	84	92	99	101	101	93	*71	66	101
78	47	63	64	82	88	96	107	98	93	85	84	67	107
79	60	67	79	74	88	93	97	102	101	93	77	63	102
80	61	63	65	80	85	100	97	97	96	87	82	70	100
81	56	66	67	86	88	100	106	100	94	89	77	67	106
82	59	67	69	87	91	99	106	101	95	88	87	69	106
83	67	69	69	78	91	[illegible]	97	91	95	86	84	[illegible]	97
84	62	67	64	77	89	100	102	102	98	89	81	70	102
85	62	62	67	77	85	95	97	100	97	89	77	68	100
86	59	64	67	84	92	94	103	103	97	90	71	69	103
87	61	67	69	82	91	99	97	104	97	91	84	70	104
88	74	67	69	91	89	91	105	97					
MEAN	61.0	60.5	68.5	79.9	85.6	95.8	99.8	98.4	93.4	84.7	83.4	71.4	101.5
SUM	7,198	7,372	8,419	9,614	9,930	5,644	5,948	7,087	6,260	6,094	6,085	6,133	3,529
TOT OBS	1234	1223	1426	1409	1456	1394	1415	1426	1375	1395	1340	1394	2419

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

...TAL CLIMATOLOGY BRANCH
...ORATORY
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

...'S NUMBER: 72062... STATION NAME: ELLSWORTH AFB SD PERIOD OF RECORD: 39-45, 48-87

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S- JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
...		-27	...	14	38	47	55	44	32	7	*19	7	
...	-17	...	...	7	*34	43	50	43	27	20	-5	-7	-17
...	-5	1	4	*24	38	47	51	50	28	18	1	-6	-6
...	-22	-11	...	24	37	37	47	47	19	15	17	...	-22
...	*-22	...	-21	13	26	*37	*50	50	26	20	11	-2	*-27
...	-2	-19	-5	21	29	39	44	46	32	26	7	-4	-19
...	-22	-9	-4	17	27	40							
...				21	32	44	53	51	40	19	17	2	
...	-28	-21	-3	27	35	45	54	44	33	22	15	-2	-2
...	-24	-4	-14	17	21	40	45	41	27	26	...	-7	-24
1	-19	-11	-17	16	29	31	44	46	27	14	2	-19	-19
...	-16	1	...	21	37	43	44	...	41	21	...	11	-16
...	-8	-1	...	19	27	44	53	51	35	17	6	...	-8
...	-19	11	-1	17	...	34	54	54	37	21	15	-	-19
...	...	...	...	25	34	47	...	...	37	...	...	...	...
...	-4	-1	-7	16	26	44	54	46	29	27	13	-4	-7
...	-23	-8	...	11	34	43	54	45	31	20	15	...	-23
...	17	-4	17	24	36	38	...	45	31	25	...	...	...
...	-17	-4	17	17	32	47	49	52	27	21	-14	...	-17
...	...	...	-11	21	34	45	54	48	36	15	7	...	-11
...	...	...	21	21	32	44	54	46	27	26	17	...	...
...	-14	-10	-15	17	25	41	...	44	32	21	15	...	-15
...	-17	-1	11	27	27	...	...	49	32	...	...	-14	-17
...	-17	...	...	13	34	41	51	41	3	29	-5	-17	-17
...	-4	-17	-...	1	23	41	47	45	...	31	14	...	-1
5	-22	-15	...	...	16	41	52	48	...	...	...	...	...
...	-2	-1	1	17	24	41	43	41	24	22	...	-14	-14
...	-14	...	...	14	27	47	44	44	24	15	11	-21	-21
...	-1	...	-1	...	32	37	51	50	43	19	17	...	-19
...	-17	...	1	17	34	47	51	47	33	16	4	-11	-17

*DENOTES A (PART OF) MONTH LESS THAN FULL MONTH(S)
(AT LEAST ONE DAY LESS THAN 24 HOURS)

CONTINUED ON NEXT PAGE....

...AL CLIMATOLOGY BRANCH
...SHEPPARD
...r WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

...TION NUMBER: 72... STATION NAME: FLESWORTH AFB SD PERIOD OF RECORD: 39-45, 47-87

WHOLE DEGREES FAHRENHEIT
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
7...	-7	-...	...	2...	3...	4...	4...	5...	3...	1...	1...	-...	-20
7...	-21	-7	...	2...	3...	3...	4...	5...	2...	1...	1...	-19	-21
7...	-1...	...-7	...	1...	3...	4...	5...	5...	3...	2...	...	-1...	-13
7...	-1...	...	...	...	3...	4...	5...	4...	3...	...	...	...	-17
7...	-7	-1...	...	...	3...	4...	5...	4...	3...	2...	-4	-7	-16
7...	-1...	-7	-...	2...	2...	4...	5...	4...	3...	1...	...-1...	-4	-16
77	-1...	1...	1...	2...	3...	5...	5...	4...	4...	2...	-1...	-17	-17
7...	-1...	-1...	-...	2...	3...	3...	5...	4...	4...	...	...	-1...	-1...
7...	-2...	-1...	...	1...	2...	2...	5...	4...	3...	2...	-1...	-21	-21
...	-1...	-...	-...	2...	2...	4...	5...	4...	3...	2...	...	...	-16
...1	11	-1...	1...	2...	3...	4...	5...	4...	4...	1...	1...	...	-11
...2	-17	-1...	-1	1...	3...	3...	5...	4...	3...	2...	...	...	-17
...3	1...	...	1...	2...	2...	3...	4...	5...	4...	2...	...	-2...	-24
...4	-...	...	...	2...	2...	3...	4...	4...	3...	1...	...	-1...	-1...
...	-2...	-11	...	1...	3...	3...	5...	4...	2...	...	...-1...	-1...	-14
...6	1...	-7	1...	1...	3...	4...	4...	5...	4...	2...	-7	...	-7
-7	...	1...	1...	2...	3...	4...	4...	4...	4...				
MEAN	-1...7	-5.6	...7	1...9	3...9	4...7	5...8	4...7	3...1	2...4	...6	-...1	-16.1
S.D.	1...3	3.894	4.724	5.891	5.286	4.694	3.693	3.645	5.163	4.973	8.245	9.649	5.196
TOTAL OBS	1...9	1...0	1426	1...9	1456	1...8	1...9	1426	1...0	1...6	1...9	1...4	16692

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

GLOBAL CLIMATOLOGY BRANCH
...SAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-87

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	21.0	22.9	30.6	39.7	48.7	58.8	65.0	63.2	54.0	43.5	30.4	23.3	41.7
00-02	SD	14.382	13.405	9.363	9.159	7.960	7.337	6.223	6.231	9.241	8.075	11.992	13.646	18.363
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	20.6	22.2	29.4	38.3	47.1	56.2	62.7	61.0	52.3	42.4	29.6	22.7	40.4
03-05	SD	14.578	13.484	9.379	8.834	7.745	7.257	5.745	6.199	9.006	8.045	12.023	13.921	17.898
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	20.2	22.4	30.7	41.8	52.8	61.6	66.9	66.0	55.6	44.0	29.8	22.2	43.1
06-08	SD	14.842	13.594	10.274	10.394	9.319	8.013	7.383	7.606	10.393	8.810	12.202	13.593	20.216
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	25.2	28.7	37.9	50.0	59.9	68.9	73.8	75.6	65.6	53.5	36.9	27.3	50.7
09-11	SD	16.239	15.652	12.561	12.409	10.999	9.339	8.665	9.543	12.648	10.958	14.778	15.117	22.286
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	29.7	32.9	42.2	54.5	63.3	72.9	82.0	80.8	70.8	58.4	41.1	31.4	55.2
12-14	SD	16.755	16.499	13.520	13.693	11.903	10.218	9.568	9.269	13.675	11.994	16.079	15.435	22.637
	TOT OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955
	MEAN	27.5	31.9	42.2	54.6	63.5	73.2	83.1	81.2	70.7	56.5	38.1	28.2	54.3
15-17	SD	15.726	15.693	13.286	13.904	11.663	10.266	9.564	9.178	13.648	11.672	15.276	14.856	23.523
	TOT OBS	930	846	930	900	930	900	930	929	900	930	900	930	10955
	MEAN	23.6	26.3	36.1	48.2	57.7	67.5	76.3	73.7	62.4	48.3	32.7	24.4	48.2
18-20	SD	14.926	13.935	10.688	11.899	10.122	9.373	8.642	8.201	11.541	9.255	12.901	13.865	21.674
	TOT OBS	930	846	930	900	930	900	930	927	900	930	900	930	10953
	MEAN	21.7	24.5	32.7	42.7	51.6	61.5	68.6	66.3	56.4	45.1	31.0	23.4	43.8
21-23	SD	14.243	13.591	9.460	9.834	8.182	7.714	6.621	6.576	9.960	8.511	12.378	13.690	19.359
	TOT OBS	930	846	930	900	930	900	930	927	900	930	899	930	10952
	MEAN	23.6	26.9	35.2	46.2	55.6	64.6	73.2	71.0	61.0	48.0	33.7	25.4	47.2
ALL	SD	15.523	15.096	12.255	12.959	11.553	10.956	10.532	10.773	13.376	11.414	14.156	14.654	21.588
HOURS	TOT OBS	7440	6768	7440	7199	7440	7200	7440	7433	7200	7440	7199	7440	87639

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	16.1	20.6	27.3	39.7	48.6	57.5	62.5	56.1	46.9	38.2	26.3	20.9	38.3
00-05	SD	12.776	11.945	7.632	7.195	6.927	6.261	4.467	5.575	7.249	6.913	10.153	11.604	16.289
	TOT OBS	930	846	930	899	930	900	930	930	900	924	900	930	10943
	MEAN	17.7	19.4	26.4	33.5	42.6	50.4	56.2	54.6	45.9	37.4	25.6	19.4	35.9
06-09	SD	12.826	12.772	7.423	7.092	6.743	6.382	4.508	5.636	7.267	6.973	10.379	12.075	16.114
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	17.3	19.5	27.3	36.2	46.3	54.3	59.6	57.6	46.0	36.4	25.8	19.0	37.5
10-14	SD	13.375	12.936	8.379	7.662	7.261	6.128	4.378	5.654	7.475	6.803	10.291	11.854	17.356
	TOT OBS	930	846	930	900	930	900	930	930	900	930	899	930	10956
	MEAN	21.1	24.0	32.0	40.7	49.8	57.6	63.1	61.7	52.8	43.9	32.5	24.9	41.7
15-18	SD	13.642	12.896	9.026	7.946	7.618	6.464	4.529	5.615	7.537	6.965	11.193	12.337	17.403
	TOT OBS	929	846	930	900	930	900	930	930	899	930	900	930	10956
	MEAN	24.4	26.7	34.6	42.9	51.3	59.1	64.3	63.0	54.3	46.3	35.4	28.4	43.9
19-23	SD	13.522	12.605	9.086	8.202	7.437	6.435	4.402	5.217	7.458	7.187	11.432	12.427	16.914
	TOT OBS	930	846	930	899	930	900	930	930	900	930	900	930	10956
	MEAN	22.9	26.3	34.6	42.9	51.5	59.3	64.2	62.9	54.2	45.8	34.8	27.8	43.9
15-17	SD	13.079	12.752	8.910	8.387	7.211	6.483	4.488	5.077	7.481	7.147	11.237	12.431	17.075
	TOT OBS	926	846	930	900	930	900	930	929	900	930	900	930	10953
	MEAN	19.8	22.6	31.1	39.6	49.1	57.4	62.2	60.4	50.6	41.5	29.4	22.6	40.4
18-20	SD	12.675	12.112	8.175	7.952	7.067	6.030	4.362	5.381	7.417	6.765	10.412	11.903	17.472
	TOT OBS	926	846	930	897	930	900	930	927	900	930	900	930	10948
	MEAN	18.8	21.1	28.8	36.8	45.8	53.9	59.3	57.6	48.1	38.2	26.7	20.1	38.1
21-23	SD	12.678	12.092	7.647	7.356	6.772	6.166	4.476	5.473	7.353	6.674	10.267	11.824	16.671
	TOT OBS	930	846	930	900	930	900	930	929	900	930	899	930	10956
	MEAN	20.0	22.4	30.3	38.4	47.5	55.4	60.5	59.2	50.2	41.1	29.4	23.4	39.7
ALL	SD	13.297	12.690	8.930	8.408	7.831	7.139	5.274	6.187	8.065	7.594	11.000	12.248	17.176
HOURS	TOT OBS	7435	6768	7440	7194	7440	7	7440	7431	7199	7434	7196	7440	87624

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 726[illegible] STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-87

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible]	MEAN	[illegible]	12.0	23.0	27.6	38.4	47.0	51.9	50.6	39.8	31.2	18.1	11.4	[illegible]
[illegible]	SD	13.437	13.568	8.363	7.773	6.395	7.546	6.672	7.604	8.478	7.656	11.049	12.389	17.803
	TOT OBS	930	846	930	896	930	900	930	930	900	929	900	930	10953
[illegible]	MEAN	9.2	11.4	20.[illegible]	26.7	37.6	46.1	51.0	50.0	39.2	30.7	17.5	10.9	29.3
[illegible]	SD	13.876	13.720	8.403	7.695	6.508	7.780	6.488	7.441	8.543	7.735	11.214	12.672	17.805
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
[illegible]	MEAN	8.8	11.4	20.7	28.[illegible]	39.7	48.5	53.1	51.4	40.4	31.3	17.6	10.5	30.3
[illegible]	SD	14.079	13.923	8.480	7.683	8.768	7.647	6.239	7.310	8.476	7.601	11.259	12.598	18.526
	TOT OBS	930	846	930	900	930	900	930	930	900	930	899	930	10955
[illegible]	MEAN	11.5	13.9	23.0	29.5	40.5	49.2	53.6	52.3	41.5	32.9	20.0	12.9	31.9
[illegible]	SD	14.093	13.547	8.139	7.737	9.147	8.433	6.735	7.769	8.745	7.794	10.925	12.528	17.924
	TOT OBS	929	846	930	900	930	900	930	930	899	930	900	930	10954
[illegible]	MEAN	13.4	15.1	23.8	29.4	40.6	49.2	54.5	51.4	41.1	32.8	20.6	14.5	32.1
[illegible]	SD	13.669	12.919	7.753	7.754	8.734	8.409	7.033	8.025	8.617	8.208	10.607	12.047	17.156
	TOT OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955
[illegible]	MEAN	12.9	15.4	23.7	29.2	40.7	49.2	54.3	52.6	40.2	32.5	20.2	13.7	31.8
[illegible]	SD	13.609	12.411	7.913	7.982	8.773	8.428	7.130	8.312	8.546	8.195	10.643	12.362	17.192
	TOT OBS	928	846	930	900	930	900	930	929	900	930	900	930	10953
[illegible]	MEAN	11.4	14.0	22.9	29.3	40.9	49.8	54.9	51.1	40.2	32.2	19.8	12.4	31.5
[illegible]	SD	13.817	13.397	8.157	7.929	8.762	8.744	7.319	8.172	8.697	8.004	10.785	12.587	17.872
	TOT OBS	928	846	930	897	930	900	930	927	900	930	900	930	10948
[illegible]	MEAN	10.9	13.1	21.9	28.8	39.8	48.8	54.6	50.9	40.1	31.5	18.3	11.6	30.7
[illegible]	SD	13.948	13.748	8.224	7.737	8.418	7.723	6.866	7.878	8.527	7.897	10.991	12.503	17.888
	TOT OBS	930	846	930	900	930	900	930	929	900	930	899	930	10953
	MEAN	11.0	13.2	22.1	28.6	39.8	48.4	52.6	51.1	40.3	31.9	18.9	12.2	31.0
ALL	SD	13.994	13.470	8.251	7.878	8.760	8.146	6.841	7.845	8.670	7.922	10.993	12.524	17.799
HOURS	TOT OBS	7435	6768	7440	7194	7440	7200	7440	7431	7199	7439	7198	7440	87624

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-87
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	03-02	100.0	100.0	99.7	94.9	80.1	56.1	31.5	10.9	2.2	63.1	930
	06-05	100.0	100.0	99.1	94.6	79.6	56.9	29.7	10.4	2.5	62.7	930
	09-08	100.0	100.0	99.2	94.2	79.0	56.7	29.1	10.6	1.9	62.5	930
	12-11	100.0	99.9	96.9	87.4	66.1	43.6	23.3	7.5	1.2	58.2	929
	15-14	100.0	98.1	92.8	79.2	54.9	33.1	17.4	5.6	1.6	53.4	930
	18-17	100.0	99.1	96.2	85.5	65.1	38.9	15.7	5.5	1.7	56.3	928
	21-20	100.0	99.9	99.1	95.2	82.1	52.9	26.4	8.5	2.0	62.1	928
	24-23	100.0	100.0	99.1	96.0	82.8	56.2	29.4	9.8	2.9	63.1	930
	TOTALS	100.0	99.6	97.8	90.7	73.6	49.3	24.7	8.6	1.9	60.2	7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726620 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 75-87
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	99.9	99.4	97.4	89.0	63.7	34.1	11.6	.8	79.	744
	03-05	100.0	99.9	99.2	97.6	83.2	62.1	32.2	10.2	.9	74.7	744
	06-08	100.0	100.0	99.6	94.2	83.9	63.6	35.9	10.4	1.0	77.7	744
	09-11	100.0	99.2	93.4	82.3	63.2	42.2	21.4	7.6	1.2	66.5	744
	12-14	100.0	99.2	86.2	69.1	49.4	31.4	13.6	4.5	1.2	63.3	744
	15-17	100.0	99.1	90.9	75.7	54.0	34.5	16.0	8.7	.7	67.2	744
	18-20	100.0	100.0	99.2	94.2	76.1	48.1	24.8	5.2	.8	71.5	744
	21-23	100.0	100.0	99.8	97.2	84.3	56.6	27.9	12.5	1.7	77.9	744
	TOTALS	100.0	99.5	95.8	88.2	72.0	49.4	25.1	9.9	1.1	72.6	5952

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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	99.5	98.6	86.6	71.9	47.4	24.2	4.7	69.5	930
	03-05	100.0	100.0	99.6	97.8	89.6	77.2	51.7	26.7	5.2	73.8	931
	06-08	100.0	100.0	99.2	95.3	86.2	71.4	45.4	23.4	3.6	67.9	930
	09-11	100.0	99.2	97.6	90.2	65.2	47.7	25.1	12.2	2.6	58.4	931
	12-14	100.0	97.3	88.0	68.8	51.4	36.4	19.4	8.4	1.7	52.2	931
	15-17	100.0	96.2	83.4	69.5	52.4	36.1	19.0	8.1	1.9	52.1	930
	18-20	100.0	99.7	95.9	86.2	73.3	53.9	32.2	14.2	2.9	61.4	931
	21-23	100.0	99.9	98.9	94.3	83.8	69.5	41.1	19.7	3.7	66.2	931
	TOTALS	100.0	99.7	94.1	87.7	73.6	56.4	35.7	17.1	3.7	62.1	7446

USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: [illegible]
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL OBS
		10%	20%	30%	40%	50%	60%	70%	80%		
APR	[illegible]-02	100.0	100.0	99.0	91.7	76.5	58.6	35.0	17.4	3.8	63.8	[illegible]
	[illegible]-05	100.0	100.0	99.4	94.2	82.4	67.4	38.0	19.7	2.4	65.4	901
	[illegible]-08	100.0	100.0	97.1	89.2	71.7	57.6	37.2	17.7	2.6	61.9	900
	[illegible]-11	100.0	97.0	82.9	60.8	41.1	28.2	16.6	9.4	1.2	44.3	900
	12-14	100.0	91.2	66.1	43.3	30.9	19.3	11.5	6.1	1.2	42.6	[illegible]
	15-17	100.0	90.7	67.6	46.9	31.0	21.9	11.9	7.4	1.0	42.3	900
	18-20	100.0	98.0	86.7	69.6	46.7	32.2	19.1	11.1	2.0	51.7	[illegible]
	21-23	100.0	100.0	98.0	84.6	67.0	48.9	28.6	15.1	3.2	60.3	900
	TOTALS	100.0	97.1	86.6	71.7	55.9	40.6	24.2	12.9	2.2	54.7	7196

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72662[illegible] STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	[illegible]	100.0	100.0	99.6	95.4	87.4	66.9	47.3	26.0	10.5	69.3	931
	3-5	100.0	100.0	99.4	97.0	89.2	74.5	53.9	28.9	11.5	71.1	931
	[illegible]-8	100.0	99.9	97.3	89.1	72.5	55.5	36.2	19.9	6.1	63.2	931
	9-11	100.0	99.9	89.7	67.0	45.6	31.7	19.4	11.0	3.9	52.4	931
	12-14	99.9	96.1	79.0	59.7	36.9	27.2	15.8	7.8	2.9	47.7	931
	15-17	100.0	99.4	78.4	57.7	37.3	24.9	16.5	8.0	3.3	47.4	931
	18-20	100.0	99.4	91.6	78.1	59.2	41.2	28.1	14.1	4.6	57.1	931
	21-23	100.0	99.9	98.0	92.3	81.2	64.6	43.2	21.7	6.6	66.4	931
	TOTALS	100.0	99.6	91.7	78.5	63.6	48.3	32.6	17.1	6.2	59.3	7446

...AL CLIMATOLOGY BRANCH
...CCF/TAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72662F STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 78-87
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	99.0	96.7	89.0	75.7	56.4	28.0	8.0	71.0	900
	03-05	100.0	99.9	99.3	96.6	91.6	81.0	61.0	32.7	11.0	73.1	900
	06-08	100.0	99.8	97.2	93.4	80.0	63.1	36.2	15.1	4.8	64.3	900
	09-11	100.0	98.0	86.8	75.7	59.4	39.7	19.0	5.4	1.9	52.2	900
	12-14	100.0	96.3	82.2	56.7	36.1	17.6	6.7	3.4	1.4	46.2	900
	15-17	100.0	98.3	80.7	57.2	36.7	20.1	10.0	4.2	1.4	46.1	900
	18-20	100.0	99.6	91.7	78.7	60.9	42.0	22.7	8.2	2.1	55.9	900
	21-23	100.0	99.7	98.6	93.7	87.1	67.1	44.4	18.6	5.7	66.9	900
	TOTAL	100.0	99.5	92.7	80.3	66.0	48.7	31.6	14.5	4.5	59.5	7200

USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS — RELATIVE HUMIDITY

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD — PERIOD OF RECORD: 78-87
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	01-04	100.0	99.9	96.8	89.8	79.4	67.8	38.2	16.2	5.5	68.0	930
	04-07	100.0	100.0	97.8	93.5	85.9	70.3	46.2	22.7	7.7	68.1	930
	07-10	100.0	99.5	94.7	87.4	69.8	47.2	26.3	10.7	4.7	59.8	930
	10-13	100.0	98.4	92.5	67.2	34.6	16.7	7.5	3.3	1.2	46.5	930
	13-16	100.	97.5	87.4	41.2	18.6	8.9	4.9	1.9	.8	39.6	930
	16-19	100.0	98.7	82.2	39.1	16.4	11.2	5.6	1.7	.6	38.2	930
	19-22	100.0	99.7	90.6	62.4	41.6	24.4	13.0	4.6	1.1	47.8	930
	22-01	100.0	99.8	92.8	83.9	68.8	50.5	26.8	11.5	2.9	57.4	930
	TOTALS	100.0	99.2	94.4	69.8	51.9	36.6	21.1	9.3	2.9	52.3	7440

USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72662 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 79-87
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-03	100.0	100.0	96.8	94.7	81.0	60.7	37.3	16.5	5.1	65.2	930
	03-06	100.0	100.0	99.0	96.8	87.4	69.7	46.2	25.5	6.7	69.5	930
	06-09	100.0	99.7	98.7	93.4	73.9	51.5	30.5	13.1	3.5	61.5	930
	09-12	100.0	96.6	89.7	62.9	36.1	13.6	6.7	2.4	1.0	46.7	930
	12-15	100.0	93.7	86.2	41.4	20.0	7.9	3.7	1.7	.6	38.9	930
	15-18	100.0	97.4	82.3	36.6	21.6	9.7	4.4	1.9	.6	39.0	929
	18-21	100.0	97.0	93.5	62.4	40.1	24.1	11.2	4.4	1.0	43.1	927
	21-24	100.0	99.9	97.1	80.7	69.9	47.5	25.5	13.1	3.9	57.0	929
	TOTALS	100.0	98.7	90.2	71.4	52.9	36.7	20.7	9.2	2.8	53.4	7431

GLOBAL CLIMATOLOGY BRANCH
OSSEFTAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 73-86
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	97.0	87.8	69.6	51.1	31.7	17.8	7.1	61.7	900
	03-05	100.0	99.9	96.0	89.4	74.8	56.1	38.1	16.3	5.7	63.3	900
	06-08	100.0	99.8	94.6	81.7	65.6	45.3	30.2	16.7	4.7	59.9	900
	09-11	100.0	98.1	74.1	46.4	33.0	23.9	14.7	7.8	1.8	45.4	895
	12-14	100.0	84.8	56.4	34.3	22.0	14.7	9.6	4.3	1.1	38.6	900
	15-17	100.0	81.4	55.4	37.1	21.9	15.2	9.7	4.8	1.7	37.8	900
	18-20	100.0	97.0	78.8	58.0	39.0	26.1	14.6	6.7	2.4	47.8	900
	21-23	100.0	99.0	95.7	78.6	60.6	40.7	24.2	10.4	3.3	57.1	900
	TOTALS	100.0	94.8	81.6	64.0	48.3	34.7	21.7	10.1	3.6	51.3	7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
Air Weather Service/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

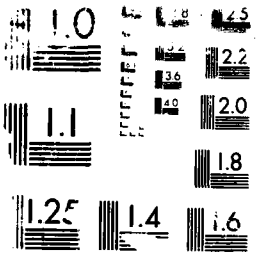
STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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%		
OCT	0-2	100.0	100.0	88.9	81.3	74.7	57.9	33.2	15.4	4.4	63.6	925
	3-5	100.0	99.9	96.7	93.3	82.9	62.4	36.7	16.8	3.6	66.0	930
	6-8	100.0	99.7	97.8	90.6	77.2	54.9	30.3	13.2	3.6	63.3	936
	9-11	100.0	97.4	92.3	80.8	62.3	38.6	17.3	8.2	2.4	52.5	930
	12-14	100.0	92.0	85.2	67.1	50.6	29.7	11.0	5.1	1.7	50.4	931
	15-17	100.0	93.8	72.9	49.0	31.7	19.9	11.7	5.5	2.0	44.2	935
	18-20	100.0	99.6	92.6	80.1	60.1	40.1	23.9	9.1	3.7	58.0	936
	21-23	100.0	100.0	97.7	89.0	72.8	51.3	30.6	14.9	7.7	61.9	930
	TOTALS	100.0	97.9	88.3	74.6	59.4	41.9	24.6	11.2	4.1	55.7	7439

AD-A188 318 ELLSWORTH AFB SOUTH DAKOTA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBS..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. DEC 87 4/4

UNCLASSIFIED USAFETAC/DS-87/083 F/G 4/2 NL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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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	98.1	92.3	78.1	53.1	28.7	10.3	1.4	61.9	900
	03-05	100.0	99.8	98.3	93.2	78.2	54.0	28.6	10.2	1.6	62.1	900
	06-08	100.0	100.0	98.7	92.8	76.3	53.5	28.3	11.9	1.1	61.9	899
	09-11	100.0	98.1	91.1	73.6	55.7	34.9	19.0	8.1	1.1	53.7	900
	12-14	100.0	95.3	80.9	58.8	42.2	28.1	14.7	6.8	1.2	48.3	900
	15-17	100.0	97.7	87.2	69.6	51.0	34.7	18.9	6.8	.9	52.2	900
	18-20	100.0	99.6	95.6	88.2	70.2	47.6	25.4	10.0	1.4	59.4	900
	21-23	100.0	99.9	97.6	90.3	75.5	52.3	27.0	11.6	1.3	61.1	899
	TOTALS	100.0	99.8	93.4	82.4	65.9	44.3	23.8	9.5	1.3	57.6	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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	99.8	98.4	94.8	81.2	53.2	24.7	8.1	1.7	61.7	930
	03-05	100.0	99.8	98.3	94.5	79.9	54.0	25.1	8.5	1.3	61.8	930
	06-08	100.0	99.7	98.3	94.3	82.2	55.5	25.2	7.0	1.3	62.0	930
	09-11	100.0	98.8	95.7	86.3	64.2	40.4	18.4	5.6	.6	56.7	930
	12-14	100.0	98.1	91.3	75.8	53.3	32.3	11.8	4.0	.4	52.3	930
	15-17	100.0	99.4	96.2	86.2	65.1	41.4	16.7	4.9	.9	56.6	930
	18-20	100.0	100.0	98.9	93.9	79.5	52.7	24.8	7.4	1.4	61.6	930
	21-23	100.0	100.0	98.5	94.4	80.4	52.5	26.0	8.8	1.1	61.9	930
	TOTALS	100.0	99.5	97.0	90.0	73.2	47.9	21.6	6.8	1.1	59.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

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	99.6	97.8	90.7	73.6	49.3	24.7	8.6	1.9	60.2	7435
FEB		100.0	99.5	95.8	88.2	72.0	49.5	25.1	9.9	1.1	59.6	6768
MAR		100.0	99.0	94.1	85.7	73.6	56.8	35.3	17.1	3.2	62.1	7440
APR		100.0	97.1	96.6	71.7	55.9	40.5	24.2	12.9	2.3	54.7	7194
MAY		100.0	98.6	91.7	78.5	63.6	48.3	32.6	17.3	6.2	59.3	7440
JUN		100.0	98.5	92.3	80.9	66.0	49.7	31.6	14.5	4.5	59.5	7200
JUL		100.0	95.2	84.4	69.8	51.9	36.5	21.1	9.3	2.9	52.9	7440
AUG		100.0	96.3	86.2	71.4	53.9	36.3	20.7	9.2	2.8	53.4	7431
SEP		100.0	94.6	81.6	64.0	48.3	34.7	21.3	10.1	2.6	51.3	7196
OCT		100.0	97.8	88.3	74.6	59.4	41.9	24.6	11.2	3.1	55.7	7439
NOV		100.0	98.9	93.4	82.4	65.9	44.8	23.9	9.5	1.3	57.6	7198
DEC		100.0	99.5	97.0	90.0	73.2	47.8	21.6	6.8	1.1	59.3	7440
	TOTALS	100.0	97.9	90.8	79.0	63.1	44.5	25.6	11.3	2.7	57.1	87624

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT      FFFFFFFFFF
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT      FFFFFFFFFF
PP      PP     AA    AA     RR      RR        TT          FF
PP      PP     AA    AA     RR      RR        TT          FF
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PP             AA    AA     RR     RR        TT          FF
PP             AA    AA     RR      RR       TT          FF
PP             AA    AA     RR       RR      TT          FF
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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: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
02	MEAN	26.604	26.575	26.525	26.538	26.537	26.571	26.601	26.620	26.603	26.609	26.583	26.571
	SD	.212	.182	.195	.190	.172	.147	.130	.135	.188	.182	.209	.222
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310
05	MEAN	26.598	26.570	26.524	26.541	26.542	26.584	26.611	26.624	26.606	26.610	26.580	26.568
	SD	.211	.186	.190	.192	.174	.152	.126	.137	.188	.184	.210	.222
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310
08	MEAN	26.614	26.586	26.542	26.556	26.554	26.597	26.627	26.643	26.623	26.629	26.595	26.586
	SD	.212	.189	.191	.194	.175	.143	.128	.138	.189	.185	.211	.222
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310
11	MEAN	26.621	26.590	26.541	26.549	26.545	26.590	26.620	26.636	26.615	26.622	26.592	26.594
	SD	.216	.190	.193	.192	.173	.142	.128	.137	.188	.187	.209	.219
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310
14	MEAN	26.578	26.551	26.509	26.520	26.522	26.566	26.594	26.609	26.582	26.588	26.556	26.559
	SD	.213	.189	.192	.189	.171	.140	.127	.135	.184	.185	.207	.216
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310
17	MEAN	26.597	26.563	26.513	26.515	26.509	26.546	26.573	26.592	26.579	26.596	26.571	26.577
	SD	.209	.185	.189	.186	.170	.141	.128	.131	.183	.180	.203	.212
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310
20	MEAN	26.608	26.582	26.536	26.541	26.531	26.562	26.588	26.614	26.609	26.616	26.584	26.584
	SD	.210	.183	.187	.187	.170	.140	.130	.130	.181	.179	.206	.218
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310
23	MEAN	26.606	26.582	26.537	26.551	26.544	26.581	26.610	26.628	26.614	26.617	26.583	26.585
	SD	.211	.183	.191	.190	.170	.145	.129	.131	.187	.183	.209	.221
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310
ALL HOURS	MEAN	26.603	26.575	26.526	26.539	26.535	26.575	26.603	26.621	26.604	26.611	26.581	26.578
	SD	.212	.186	.191	.190	.172	.145	.129	.135	.186	.183	.208	.219
	TOT OBS	2480	2256	2480	2400	2480	2400	2480	2477	2400	2480	2400	2480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 726625 STATION NAME: ELLSWORTH AFB SD

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
02	MEAN	1020.1	1018.5	1015.2	1014.1	1012.8	1013.1	1013.3	1014.2	1014.5	1016.3	1017.5	1018.5	1015.7
	SD	9.349	8.236	8.354	7.982	7.165	6.070	5.409	5.578	7.991	7.635	9.123	9.857	8.180
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
05	MEAN	1020.3	1018.6	1015.4	1014.4	1013.1	1013.6	1013.8	1014.5	1014.9	1016.7	1017.9	1018.8	1016.0
	SD	9.234	8.311	8.148	7.989	7.252	6.008	5.244	5.635	7.954	7.640	9.035	9.820	8.122
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
08	MEAN	1021.1	1019.5	1016.3	1015.1	1013.5	1014.1	1014.4	1015.2	1015.7	1017.6	1018.7	1019.7	1016.7
	SD	9.338	8.344	8.118	7.974	7.191	5.823	5.309	5.640	7.944	7.607	8.990	9.772	8.140
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	1020.9	1019.2	1015.9	1014.6	1013.1	1013.8	1014.0	1014.8	1015.1	1016.9	1018.0	1019.5	1016.3
	SD	9.416	8.435	8.144	7.889	7.125	5.781	5.352	5.657	7.918	7.664	8.976	9.705	8.155
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
14	MEAN	1019.0	1017.6	1014.6	1013.3	1012.2	1012.9	1013.0	1013.7	1013.8	1015.4	1016.5	1018.0	1015.0
	SD	9.342	8.403	8.138	7.764	7.027	5.696	5.287	5.552	7.806	7.593	8.956	9.542	8.004
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
17	MEAN	1020.2	1018.3	1014.9	1013.3	1011.8	1012.2	1012.3	1013.2	1013.8	1016.2	1017.6	1019.2	1015.2
	SD	9.171	8.228	8.017	7.727	7.055	5.799	5.354	5.392	7.750	7.391	8.773	9.388	8.115
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
20	MEAN	1020.8	1019.3	1015.0	1014.4	1012.6	1012.7	1012.9	1014.1	1015.1	1017.1	1018.2	1019.6	1016.1
	SD	9.270	8.104	7.956	7.796	7.069	5.801	5.403	5.384	7.687	7.421	8.935	9.641	8.137
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
23	MEAN	1020.3	1018.9	1015.7	1014.6	1013.1	1013.5	1013.6	1014.5	1015.1	1016.7	1017.7	1019.1	1016.1
	SD	9.394	8.267	8.135	7.943	7.122	6.018	5.448	5.484	7.943	7.646	9.150	9.784	8.145
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
ALL HOURS	MEAN	1020.3	1018.8	1015.5	1014.2	1012.8	1013.2	1013.4	1014.3	1014.8	1016.6	1017.8	1019.1	1015.9
	SD	9.314	8.300	8.135	7.894	7.136	5.897	5.380	5.565	7.888	7.589	8.998	9.692	8.141
	TOT OBS	2480	2256	2480	2400	2480	2400	2480	2477	2400	2480	2400	2479	29212

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