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13 JUN 1983

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

ELLSWORTH AFB SD — MSC #726625
N 44 09 W 103 06 ELEV 3276 FT — RCA

PARTS A-F — HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 73 - DEC 82
SUMMARY OF DAY DATA: FEB 39 - JUN 45, APR 48 - DEC 82

TIME CONVERSION GMT TO LST: -7

JUN 07 1983

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Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER: USAFETAC/DS -83/022 *	2. GOVT ACCESSION NO.: AD-A131 196	3. RECIPIENT'S CATALOG NUMBER:
4. TITLE *(and Subtitle)*: Revised Uniform Summary of Surface Weather Observations (RUSSWO)- ELLSWORTH AFB, RAPID CITY, SOUTH DAKOTA		5. TYPE OF REPORT & PERIOD COVERED: Final rept 6. PERFORMING ORG. REPORT NUMBER:
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18. SUPPLEMENTARY NOTES

SUPERSEDES REPT. NO. USAFETAC/DS-78/005

19. KEY WORDS *(Continue on reverse side if necessary and identify by block number)*

*RUSSWO	Daily temperatures	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative Humidity	*Climatological data	(over)

20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

This report is a six-part statisitical summary of surface weather observations for ELLSWORTH AFB, RAPID CITY, SOUTH DAKOTA

It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric (over)

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

*SOUTH DAKOTA

*ELLSWORTH AFB
*RAPID CITY

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

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ADE 850 401

USSD 726625

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
SNOWFALL
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP
EXTREME MAX & MIN TEMP
PSYCHROMETRIC-DRY VS WET BULB
MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)
RELATIVE HUMIDITY

PART F STATION PRESSURE
SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: (Local), 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

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

JANUARY	APRIL	JULY	OCTOBER
FEBRUARY	MAY	AUGUST	NOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT.)	CALL SIGN	WMO NUMBER
726625	ELLSWORTH AFB SD/RAPID CITY	N 44 09	W 103 06	3276	RCA	

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 1983	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	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 1983	1. Same	Same	Same	Same	
		2. Same	Same		Same	

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PART A WEATHER CONDITIONS

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

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		.6		15.4		15.8	1.5		2.3	.1	3.8	930
	03-05		.2	.1	17.6		17.8	1.5		2.4		3.9	930
	06-08		.2	.4	17.8		18.5	2.3		2.6		4.7	930
	09-11		.5	.2	16.8		17.4	5.2	.2	4.3		9.2	930
	12-14		.3		15.4		15.6	3.2	.5	5.1		8.5	930
	15-17		.2	.1	13.7		13.8	2.5		5.3		7.5	930
	18-20		.1		14.3		14.4	1.9		4.0		5.9	930
	21-23		.3		15.1		15.3	1.6		2.7		4.3	930
TOTALS			.3	.1	15.8		16.1	2.5	.1	3.6	.0	6.0	7440

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 | ELLSWORTH AFB SD | 73-82 | FEB
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		.9	.7	20.4		21.9	6.4		2.7		9.1	845
	03-05		1.1	.8	20.4		22.0	8.4		3.0		11.2	846
	06-08		.7	1.7	19.1		20.8	9.9	.1	3.7		13.7	846
	09-11		.8	.8	18.2		19.5	9.1	.5	4.4		13.7	845
	12-14		.4	.2	14.1		14.7	7.2	.2	3.8		11.2	846
	15-17		.6		14.7		15.2	5.7	.2	1.7		7.6	846
	18-20		.9		17.6		18.2	3.4		2.5		5.7	846
	21-23		.8	.1	18.8		19.7	5.0		1.9		6.9	846
TOTALS			.8	.5	17.9		19.3	6.9	.1	3.0		9.9	6766

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		2.5	.8	14.7		17.0	4.6		3.3		8.0	930
	03-05		1.2	1.0	14.6		16.0	3.7		3.8		7.4	930
	06-08		.8	.5	13.8		14.6	5.7		3.2		8.9	929
	09-11		.8	.1	13.9		14.5	6.3		3.1		9.2	930
	12-14		1.9		10.4		12.0	4.5		3.2		7.3	930
	15-17		1.5	.3	10.5		11.8	3.4	.1	3.2		6.7	930
	18-20	.2	2.8	.1	11.7		13.9	4.1	.2	3.7		8.0	930
	21-23		3.8	.2	12.9		14.9	4.9		3.0		8.6	930
TOTALS		.0	1.9	.4	12.6		14.3	4.7	.0	3.3		7.9	7439

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		8.6		6.9	.1	14.7	6.7		.2		6.8	900
	03-05		6.9	.1	7.1		13.2	8.1		.2	.3	8.7	900
	06-08		7.0	.1	8.1		14.1	10.1	.1	.8	.4	11.3	900
	09-11	.2	7.6		6.0		13.0	7.4		.6	.2	8.1	900
	12-14		5.9		4.8		10.1	5.2	.3	1.1	.1	6.8	900
	15-17	.3	8.4		5.1	.1	13.2	3.8	.6	.7		5.0	900
	18-20	1.0	8.2		5.3		13.5	3.9	.2	.7		4.8	899
	21-23	.4	8.6	.2	6.8		15.0	4.8	.1	.6		5.3	900
TOTALS		.2	7.7	.1	6.3	.0	13.4	6.3	.2	.6	.1	7.1	7199

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

726625 ELLSWORTH AFB SD 73-82 MAY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	1.0	11.2		1.0		11.7	2.4				2.4	930
	03-05	.6	11.6		.8		12.2	5.6				5.6	930
	06-08	.2	10.3		1.0		11.3	7.7				7.7	930
	09-11	.4	11.1		1.0		11.9	4.6				4.6	930
	12-14	2.4	12.3		.6	.1	12.8	3.0	.3		.3	3.7	930
	15-17	2.5	10.6		.3	.2	11.0	1.9			.3	2.3	930
	18-20	3.8	12.0			.2	12.0	2.3			.3	2.6	930
	21-23	2.0	11.5		.5		11.8	1.8	.1			1.8	929
TOTALS		1.6	11.3		.7	.1	11.8	3.7	.1		.1	3.8	7439

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	3.6	8.9				8.9	.2				.2	899
	03-05	1.2	5.2				5.2	1.9				1.9	900
	06-08	.3	4.7				4.7	2.9				2.9	900
	09-11	.2	5.1				5.1	2.4				2.4	900
	12-14	4.6	6.6				6.6	.9				.9	899
	15-17	6.8	8.8				8.8	.8				.8	900
	18-20	5.6	8.4			.1	8.4	.6				.6	900
	21-23	4.8	8.3				8.3	.7				.7	900
TOTALS		3.4	7.0			.0	7.0	1.3				1.3	7198

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GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

726625 ELLSWORTH AFB SD 73-82 JUL

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	2.9	6.5				6.5	1.1				1.1	930
	03-05	1.3	3.7				3.7	3.7	.1			3.7	930
	06-08	1.0	4.0				4.0	3.9	.1			4.0	930
	09-11	.4	3.9				3.9	.6				.6	930
	12-14	4.2	6.5			.1	6.5	1.1	.2			1.3	930
	15-17	5.7	7.6				7.6	1.0	.3			1.3	929
	18-20	5.3	6.3			.1	6.3	.3	.2			.5	930
	21-23	4.1	6.2				6.2	.4				.4	930
TOTALS		3.1	5.6			.0	5.6	1.5	.1			1.6	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.4	4.2				4.2	.9				.9	929
	03-05	.9	4.3				4.3	2.3				2.3	930
	06-08	.4	4.0				4.0	2.7				2.7	930
	09-11	.2	3.2				3.2	1.3	.1			1.4	930
	12-14	3.1	4.9				4.9	.1	.3			.4	930
	15-17	5.1	5.3				5.3	.4				.4	929
	18-20	3.8	5.0				5.0	.2				.2	929
	21-23	3.8	6.4				6.4	.3	.1			.4	929
TOTALS		2.3	4.7				4.7	1.0	.1			1.1	7436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.7	3.4				3.4	1.6				1.6	900
	03-05	.6	4.2				4.2	1.3				1.3	900
	06-08	.3	5.8				5.8	3.4				3.4	900
	09-11	.3	5.7				5.7	2.8				2.8	900
	12-14	.4	4.7				4.7	1.2				1.2	900
	15-17	1.3	4.4				4.4	.8				.8	900
	18-20	1.3	5.6				5.6	1.0				1.0	900
	21-23	.8	5.6		.1		5.6	1.1				1.1	900
TOTALS		.7	4.9		.0		4.9	1.7				1.7	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.2	5.6		2.3		7.6	1.6				1.6	930
	03-05	.2	5.6		2.3		7.2	1.4		.1		1.5	930
	06-08	.5	5.6	.2	2.5	.1	7.6	2.0		.3	.1	2.5	930
	09-11	.2	4.7		3.4		7.7	1.9		.3		2.3	930
	12-14	.1	5.3		3.2	.1	8.3	2.0		.3		2.4	930
	15-17		5.4		2.9		8.1	2.5		.1		2.6	930
	18-20	.2	5.1		3.2		7.6	1.0		.3		1.3	930
	21-23	.4	5.5		3.1		8.3	1.0		.3	.1	1.4	930
TOTALS		.2	5.4	.0	2.9	.0	7.8	1.7		.2	.0	2.0	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		.9	.4	13.1		14.2	4.0		1.9		5.6	900
	03-05		.3	1.0	13.1		14.1	5.0		1.6		6.6	900
	06-08		1.1	.9	12.1		13.4	6.3	.1	2.0		8.3	900
	09-11		1.4	.8	12.3		14.1	5.7		1.7		7.2	900
	12-14		.9	.2	9.9		10.9	4.4		1.4		5.7	900
	15-17		1.1		9.7		10.6	4.2		1.4		5.7	900
	18-20		.6		11.4		11.9	2.6		1.8		4.3	900
	21-23		1.6	.4	12.4		14.2	3.4		1.6		5.0	900
TOTALS			1.0	.5	11.8		12.9	4.5	.0	1.7		6.1	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		.4	.5	13.7		14.6	5.2		1.8		7.0	929
	03-05		.8	.8	13.1		14.4	5.9		1.8		7.7	930
	06-08		.9	.5	12.3		13.7	5.7		1.7		7.1	930
	09-11	.1	.4		12.0		12.2	5.1		2.2		7.2	930
	12-14		1.0	.2	10.4		11.4	4.5		1.7		5.9	930
	15-17		1.1	.3	9.8		11.0	3.6		2.5		6.0	929
	18-20		.6	.9	13.0		14.0	3.5		1.9		5.4	926
	21-23		.9	.8	13.6		15.0	3.2		2.4		5.5	927
TOTALS		.0	.8	.5	12.2		13.3	4.6		2.0		6.5	7431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOYAL NO. OF OBS.
JAN	ALL		.3	.1	15.8		16.1	2.5	.1	3.6	.0	6.0	7440
FEB			.8	.5	17.9		19.0	6.9	.1	3.0		9.9	6766
MAR		.0	1.9	.4	12.8		14.3	4.7	.0	3.3		7.9	7439
APR		.2	7.7	.1	6.3	.0	13.4	6.3	.2	.6	.1	7.1	7199
MAY		1.6	11.3		.7	.1	11.8	3.7	.1		.1	3.8	7439
JUN		3.4	7.0			.0	7.0	1.3				1.3	7198
JUL		3.1	5.6			.0	5.6	1.5	.1			1.6	7439
AUG		2.3	4.7				4.7	1.0	.1			1.1	7436
SEP		.7	4.9		.0		4.9	1.7				1.7	7200
OCT		.2	5.4	.0	2.9	.0	7.8	1.7		.2	.0	2.0	7440
NOV			1.0	.5	11.8		12.9	4.5	.0	1.7		6.1	7200
DEC		.0	.8	.5	12.2		13.3	4.6		2.0		6.5	7431
TOTALS		1.0	4.3	.2	6.7	.0	10.9	3.4	.1	1.2	.0	4.6	87627

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 49-82 (YEARS) ALL (MONTH)

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		7.4	1.6	49.1		51.4	17.8	.3	16.2	.1	29.9	1043
FEB			11.6	3.5	51.9		55.2	26.0	.9	13.7		34.9	959
MAR		.5	16.9	2.7	46.2		53.2	22.4	.9	11.0	.4	30.2	1049
APR		4.1	37.0	1.9	27.9	.7	51.8	21.3	1.3	4.5		24.1	1000
MAY		17.7	55.5	.2	4.1	4.3	56.8	16.3	.6	.6		17.1	1054
JUN		32.7	54.7		.5	4.1	54.8	12.4	.1	.1		12.5	1020
JUL		34.3	48.2			3.7	48.2	7.0	.2			7.1	1054
AUG		26.0	42.8			3.0	42.8	6.3	.6			6.6	1054
SEP		9.0	33.1	.2	2.8	.6	33.6	9.1	.1	.1		9.2	1020
OCT		1.1	23.5	.9	11.0	.3	29.0	9.6	.1	.9		10.2	1054
NOV		.1	14.1	2.6	30.1	.2	37.0	16.0	.3	7.7		20.7	1019
DEC		.1	10.0	2.8	41.9		45.5	19.0	.1	11.1		26.9	1054
TOTALS		10.5	29.6	1.4	22.1	1.4	46.6	15.3	.5	5.5	.0	19.1	12380

U S AIR FORCE
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APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

*1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

*2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

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

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

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.

(2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.

(3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:		U. S. Navy and National Weather Service (USWB)	
Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 57	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 43-45, 48-82 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	49.3	30.1	4.7	7.3	3.5	4.2	.7		.1					20.6	1116	.49	1.74	.01
FEB	44.1	32.7	3.5	9.0	4.1	4.9	1.2	.5						23.2	1016	.62	2.19	TRACE
MAR	46.0	28.6	5.0	8.1	5.2	3.9	2.2	.6	.3					25.4	1145	.99	3.12	.05
APR	49.6	22.9	3.2	7.1	4.1	5.7	4.1	2.3	1.1					27.5	1134	1.92	5.59	.02
MAY	43.1	22.0	3.5	6.6	6.2	7.0	5.2	4.3	2.0	.1				34.9	1178	3.07	9.81	.23
JUN	43.0	19.4	2.5	8.8	5.6	7.7	6.7	4.3	2.0	.1				37.6	1116	3.16	7.74	.84
JUL	51.4	22.0	3.1	6.0	4.6	5.0	3.5	3.3	.9	.2				26.5	1139	2.13	5.73	.04
AUG	56.8	20.1	2.9	5.9	2.6	4.8	4.0	2.4	.5					23.1	1147	1.52	4.10	.07
SEP	66.1	16.1	2.1	5.0	2.7	3.9	2.0	1.6	.5					17.7	1110	1.09	3.03	.01
OCT	70.6	14.6	2.0	3.7	2.7	2.7	2.2	1.0	.3					14.7	1147	.92	3.54	.01
NOV	62.5	20.6	2.6	6.2	2.9	3.3	1.1	.6	.1					16.9	1109	.56	2.30	.08
DEC	55.2	26.7	3.2	7.3	3.7	3.3	.5							18.0	1144	.39	1.10	TRACE
ANNUAL	53.1	23.0	3.2	6.7	4.0	4.7	2.8	1.7	.6	.0				23.8	13501	16.86		

USAFETAC FORM OCT 79 0-15-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 43-45, 48-82 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	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	.10	1.05	1.03	1.33	.03	.38	.04	.59	.09 *	.15	1.33
50	.50	.28	.61	1.40	1.00	.44	.39	.75	1.21	.38	.22	TRACE	1.40
51	.06	TRACE	.20	.10	.32	.97	.52	1.34	.99	.65	.09	.24	1.34
52	.01	.30	.36	.17	1.31	.86	.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	1.09	.17	.99	1.36	.34	.66	.05	.47	.45	.11	1.36
55	.20	.99	.30	.61	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	.16	.18	.19	.37	1.53	.59	.21	.54	.40	.33	.16	.03	1.53
58	.28	.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	1.08	.05	.63	.12	1.08
60	.14	.29	.27	.77	.70	1.35	.09	1.13	.57	.01	.19	.48	1.35
61	.11	.12	.39	.52	.33	.60	.52	.07	.27	.66	.34	.17	.66
62	.39	.31	.33	.26	2.09	.63	1.17	.40	.23	1.42	.04	.14	2.09
63	.22	.48	.95	1.22	1.14	1.55	.50	.32	.72	.30	.19	.04	1.55
64	.22	.33	.51	.65	.89	1.43	.22	1.01	.72	.49	.17	.27	1.43
65	.24	.09	.16	.49	3.09	.76	.78	.63	.59	.30	.09	.15	3.09
66	.06	.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	.08	.20	.11	2.42
68	.10	.13	.04	.74	.36	2.30	1.25	.78	.41	.08	.16	.30	2.30
69	.03	.23	.14	.44	1.31	.85	3.23	.04	.28	.31	.11	.16	3.23
70	.31	.32	.38	1.66	.70	1.80	.37	.18	.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	.03 *	.05	1.26	.87	.71	.51	.60	.53	.59	.98	.25	.21	1.26
74	.06	.24	.19	.48	.70	.47	.69	1.03	.71	.79	.07	.05	1.03
MEAN													
S D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 43-45, 48-82 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	.25	.09	.31	.88	.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	.05	.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	.18	.17	2.10
MEAN	.204	.239	.445	.729	.971	1.084	.916	.595	.534	.554	.267	.149	1.734
S.D.	.208	.193	.451	.474	.571	.700	.736	.320	.491	.517	.236	.099	.600
TOTAL OBS.	1118	1016	1145	1134	1178	1116	1139	1147	1110	1167	1109	1144	13501

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SD 43-45, 48-82
STATION STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	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	1.63	4.05	5.01	4.07	.53	.31	.79	2.30	.41	22.12
45	.60	.60	3.12	.35	2.30	4.09							
48				* .02	1.15	2.91	2.05	2.61	.51	1.20	.13	.14	
49	.48	.25	.32	2.42	1.61	2.08	.04	1.04	.07	1.15	.13	* .17	* 9.76
50	.63	.30	2.37	2.48	1.98	.84	1.22	2.32	2.29	.68	.33	TRACE	15.44
51	.06	TRACE	.70	.19	1.73	3.32	.92	4.10	2.72	1.30	.18	.80	15.99
52	.01	.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	.85	2.74	.65	.07	.52	.19	18.95
54	.17	.28	2.21	.18	2.48	3.11	.60	1.76	.08	1.01	.56	.25	12.69
55	.53	1.82	.82	1.16	2.29	2.35	2.55	1.28	2.26	.30	.50	.85	16.71
56	.59	.28	1.12	1.82	1.74	1.24	1.96	2.77	1.70	.23	.86	.34	14.65
57	.38	.41	.40	1.46	6.60	2.98	.71	1.38	.58	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	1.30	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	.30	.19	18.21
64	.39	1.03	1.09	1.20	3.10	4.47	.63	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	.98	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	.48	.11	1.79	1.25	6.80	2.08	2.26	.99	.08	.46	.70	17.25
69	.16	.85	.52	1.47	2.27	3.22	4.87	.09	.67	.67	.28	.38	15.45
70	.92	.50	1.32	4.50	2.53	2.64	.91	.37	1.52	.85	1.23	.55	17.84
71	1.05	.78	.86	3.23	4.11	1.87	.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	.22	.84	.25	.41	21.61
73	.07	* .16	2.78	2.79	2.54	.92	1.98	1.21	1.74	1.32	.62	.41	*16.54
74	.13	.32	.43	1.47	2.56	1.09	1.49	2.29	.81	1.27	.08	.14	12.05
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AIR 64 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 43-45, 48-82 (YEARS)

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	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	.68	.38	.38*	.74	.43	*15.42
77	.72	.18	2.18	1.71	3.16	1.16	2.41	1.40	3.03	1.41	.94	.36	18.66
78	.08	.87	.33	3.11	3.18	1.29	3.26	1.96	.16	.42	1.65	.22	16.51
79	.59	.43	.40	.43	1.25	3.65	3.43	1.89	.13	.85	.13	.02	13.20
80	.35	.48	1.04	1.09	2.64	2.22	.66	2.79	.54	2.20	.39	.50	14.90
81	.20	.09	.05	.30	4.67	1.22	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
MEAN	.487	.618	.988	1.923	3.065	3.162	2.133	1.517	1.089	.925	.561	.389	17.172
S.D.	.381	.468	.783	1.398	2.148	1.756	1.456	.939	.977	.768	.531	.269	3.965
TOTAL OBS.	1118	1018	1145	1134	1178	1116	1139	1187	1110	1167	1109	1144	13501

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AA 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 49-82 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	50.8	29.2	9.8	6.7	2.3	.8	.3	.1	.1					20.0	1054	5.3	18.7	TRACE
FEB	47.8	29.7	9.4	7.2	3.2	1.6	.5	.4	.2					22.5	959	7.2	19.5	.7
MAR	52.9	24.7	9.3	7.6	2.5	1.0	.5	.6	.7	.3				22.4	1054	9.1	28.7	TRACE
APR	71.7	15.4	4.7	3.0	2.1	1.2	.6	.8	.4		.1			12.9	1019	6.6	42.8	TRACE
MAY	95.6	2.6	.4	.9	.2	.2	.1	.1						1.8	1054	.7	7.1	.0
JUN	99.5	.2	.1	.1				.1						.3	1020	.2	6.1	.0
JUL	100.0														1054	.0	.0	.0
AUG	100.0														1054	.0	.0	.0
SEP	97.3	2.3	.3	.2										.5	1020	.1	1.6	.0
OCT	89.2	6.7	1.2	1.8	.5	.4		.2						4.1	1053	1.6	8.2	.0
NOV	69.9	17.3	5.1	4.3	1.6	.8	.5	.4	.1	.1				12.9	1019	4.7	16.0	.0
DEC	58.0	24.4	7.1	6.3	2.8	.9	.5	.1						17.6	1054	5.2	11.0	TRACE
ANNUAL	77.7	12.7	3.9	3.2	1.3	.6	.2	.2	.1	.0	.0			9.6	12414	40.7		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
SNOWFALL

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 49-82 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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	3.0	1.0	TRACE	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	1.8	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	.0	.1	3.0	2.3	5.4
59	2.0	2.2	.6	8.0	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	.0	.0	.0	.0	TRACE	.0	.2	1.4	3.9
63	2.2	4.8	8.7	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	1.8	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	2.3	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	2.5	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	1.3	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	1.0	.0	.0	.0	.0	.0	.3*	3.0	3.0	3.8
77	2.0	2.0	10.0	.2	.0	.0	.0	.0	.0	TRACE	12.0	2.0	12.0
78	.5	4.3	2.2	4.0	.8	.0	.0	.0	.0	TRACE	3.7	1.2	4.3
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-5 (OL-A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

726625 STATION — ELLSWORTH AFB SD STATION NAME — 79-82 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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	6.8
MEAN	2.02	2.86	4.13	3.47	.50	.20	.00	.00	.07	.99	2.58	2.04	6.09
S.D.	1.387	1.941	3.787	3.416	1.079	1.017	.000	.000	.234	1.396	2.473	1.433	3.242
TOTAL OBS.	1054	959	1054	1019	1054	1020	1054	1054	1020	1053	1019	1054	12914

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 49-82 (YEARS)

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	12.1	2.5	2.4	TRACE	TRACE	.0	.0	.0	TRACE	1.0	.0	7.3	25.3
50	2.4	1.9	28.7	12.3	5.1	.0	.0	.0	TRACE	6.0	6.9	TRACE	63.3
51	.6	.7	6.6	1.4	TRACE	6.1	.0	.0	TRACE	TRACE	1.7	7.7	24.8
52	TRACE	7.5	5.8	.3	.0	.0	.0	.0	.0	TRACE	.4	.3	14.3
53	5.5	19.5	5.9	9.0	.9	.3	.0	.0	.0	.0	3.3	1.3	45.4
54	1.8	1.5	22.1	TRACE	1.9	TRACE	.0	.0	.0	6.5	5.6	1.0	40.4
55	5.3	18.0	8.2	6.6	.3	.0	.0	.0	.3	.7	4.5	8.5	52.1
56	4.5	2.8	11.2	13.8	.6	.3	.0	.0	.0	.3	8.6	3.2	45.0
57	3.8	4.1	4.0	11.9	.0	.0	.0	.0	.3	TRACE	1.2	.1	25.4
58	3.0	4.7	4.6	16.1	.0	.0	.0	.0	.0	.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	12.3	7.6	6.1	.6	.0	.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	10.0	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	.3	.0	.0	1.6	.0	.6	.1	30.3
66	2.7	10.8	24.1*	12.1	.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	8.5	7.2	1.3	9.0	TRACE	.3	.0	.0	.0	.3	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	5.9	6.0	15.6	42.8	TRACE	.0	.0	.0	TRACE	5.8	4.3	9.1	89.5
71	18.7	12.7	13.5	7.0	.0	.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*	2.3	19.2	3.5	.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
78	.9	16.1	3.9	4.0	.8	.0	.0	.0	.1	TRACE	12.5	2.3	40.5
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 49-82 (YEARS)

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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	1.8	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
MEAN	5.27	7.16	9.15	6.63	.71	.20	.00	.00	.08	1.58	4.70	5.24	40.15
S.D.	4.180	4.688	7.427	7.871	1.653	1.051	.000	.000	.295	2.304	4.363	3.537	16.380
TOTAL OBS.	1054	959	1054	1019	1054	1020	1054	1054	1020	1053	1019	1054	12419

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 43-45, 48-82 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	37.2	23.2	15.7	9.6	4.9	5.8	3.4	.3						39.6	1109			
FEB	40.0	16.4	12.4	10.1	6.2	9.4	4.9	.6						43.6	1009			
MAR	53.7	15.5	10.6	7.5	4.4	5.2	2.5	.6						30.8	1116			
APR	83.2	7.4	3.2	2.1	1.1	1.4	1.0	.6						9.4	1134			
MAY	98.5	.4	.4	.3		.3	.1							1.1	1177			
JUN	99.7	.1	.1			.1								.2	1118			
JUL	100.0														1139			
AUG	100.0														1147			
SEP	99.7	.2		.1										.1	1110			
OCT	95.2	2.2	1.2	.4	.4	.5								2.6	1145			
NOV	70.9	12.7	5.9	4.1	1.9	3.1	1.4							16.3	1101			
DEC	47.1	22.8	11.7	8.7	5.3	4.2	.1							30.1	1133			
ANNUAL	77.1	8.4	5.1	3.6	2.0	2.5	1.1	.2						14.5	13438			

USAFETAC FORM 0-15-5 OCT 75 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

726625 STATION — ELLSWORTH AFB SD STATION NAME — 43-45, 48-82 YEARS

DAILY SNOW DEPTH IN INCHES

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

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-9 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

726625 (STATION) — ELLSWORTH AFB SD (STATION NAME) — 43-45, 48-82 (YEARS)

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	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	4	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
MEAN	3.4	4.9	4.9	3.7	.6	.2	.0	.0	.1	1.1	2.9	3.1	8.3
S.D.	2.651	3.618	3.976	4.752	1.977	.995	.000	.000	.329	1.730	3.164	1.969	4.362
TOTAL OBS.	1109	1009	1116	1134	1177	1118	1139	1167	1110	1185	1101	1133	13838

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 66 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

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

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

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

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

   a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

   b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

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

* Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
SURFACE WINDS

(FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SD 49-82
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49						WSW 44	NW 65	W 48	N 40	WNW *54	NW 54	NW 62	
50	NNW 62	NNW 57	N *78	NNW 56	NNW 58			NNW *48	NW 38	WNW 55	NNW *49		
51									N *51	NW 65	NW *56		
52	NNW *30	NE *38	NW *59	W *72	WNW *48	NW *69	NW *52	WSW *59	SSW *45	NW 45	NW 54	SW 56	W *72
53	WNW 54	NNW 44	WNW 67	WNW 57	N 47	WNW 70	S 47	SSW 44	NNW 53	NW 46	WNW 54	W 54	WNW 70
54	WNW 52	NNW 60	NW 59	NW 50	N 49	NNW 45	S 59	W 49	NNW 52	NW 43	WNW 60	NW 57	NNW 60
55	NW 60	NW 58	WNW 59	NW 49	WNW 59	NW 49	WSW *43	WSW 59	SSE 48	WNW 48	WNW 50	SW 57	NW 60
56	WNW *50	WNW 41	WNW 60	W 45	NNW 37	S 45	WNW 47	SSW 63	NW 42	NNW 45	NW 53	NNW 50	SSW 63
57	NW 51	N 47	NW 44	NNW 37	N 45	NNW 51	NW 40	NNW 41	N 35	NNW 38	N 38	NW 49	NW 51
58	NW 34	NNW 44	N 32	NNW 38	NW 50	NNW 35	W 40	NNW 35	NNW 40	WNW 48	NNW 61	NW 45	NNW 61
59	NNW 46	NW 43	NW 45	NNW 45	NW 43	NNW 42	NE 70	NW 42	NW 49	NW 52	NW 59	NNW 57	NE 70
60	NNW 46	WNW 37	NW 51	SW 50	NW 41	NW 50	SSW 36	SSW 53	NW 36	NW 49	NW 49	NW 46	SSW 53
61	NW 43	NNW 46	NNW 38	WNW 49	NW 37	NNW 39	NW 47	NNW 33	WNW 37	NW *38	NW *48	NW 53	NW 53
62	NW 47	NW 47	NW 44	NW 54	WNW 39	WNW 55	NNW 31	NW 54	NW 46	NW 49	NW 45	NNW 55	WNW 55
63	NW 52	NW 61	NNW 48	WSW 59	NW 52	SW 62	NNW 61	S 37	NW 34	NNW 35	NW 44	NW 52	SW 62
64	W 44	NNW 46	NW 53	NW 69	WNW 43	NNW 52	SE 53	NW 66	NW 76	NNW 62	NNW 58	NNW 52	NW 76
65	NW 69	NNW 53	NW 45	NW 44	NW 51	SE 47	NW 58	WNW 39	NNW 40	WNW 53	NW *45	NW 42	NW 69
66	WNW 58	NNW 34	NW 66	WNW 52	SW 51	W 49	WNW 53	NNW 48	NNW 36	NW 54	NW 45	NNW 51	NW 66
67	W 65	NW 54	NNW 41	NW 72	NNW 62	N 42	N 39	NNW 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	28/ 60	33/ 45	33/ 44	33/ 50	31/ 50	31/ 54	28/ 60
70	32/ 51	31/ 50	35/ 50	33/ 46	31/ 50	35/ 45	33/ 44	32/ 43	34/ 63	32/ 53	31/ 57	34/ 52	34/ 63
71	30/ 49	32/ 52	32/ 56	33/ 58	24/ 58	31/ 42	33/ 48	32/ 45	31/ 69	34/ 53	34/ 54	27/ 44	31/ 69
72	33/ 44	32/ 59	32* 48	17/ 47	30/ 56	10/ 38	*/ 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/ 40	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/ 38	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	33/ 60	1/ 41	33/ 66	32/ 47	32/ 66	33/ 58	33/ 66
78	34/ 46	32/ 50	33/ 49	32/ 57	32/ 51	34/ 58	7/ 41	12/ 47	25/ 44	33/ 49	33/ 50	32/ 49	34/ 58
MEAN													
S.D													
TOTAL OBS.													

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

USAF ETAC FORM AA 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 49-82 (YEARS)

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
79	32/ 54	32/ 47	32/ 50	31/ 47	26/ 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	32/ 36	34/ 48	34/ 45	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/ 43	32/ 52	32/ 52	32/ 52
82	32/ 53	33/ 42	31/ 58	32/ 62	33/ 44	23/ 35	25/ 60	23/ 38	31/ 40	29/ 48	32/ 48	32/ 43	25/ 68
MEAN	51.1	48.7	50.7	50.0	48.5	47.3	49.9	46.2	46.4	48.0	52.1	51.3	62.4
S.D.	7.925	7.831	8.528	8.355	7.650	8.095	11.233	8.251	10.358	5.642	6.566	5.515	6.752
TOTAL OBS.	954	872	965	940	971	940	964	991	966	1020	984	1006	11573

NOTES * (BASED ON LESS THAN FULL MONTHS)

$ (BASED ON LESS THAN FULL MONTHS AND >100 KNOTS)

USAF ETAC FORM AA 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.5	1.9	2.4	1.6	1.2	.1					9.6	12.3
NNE		.6	.1									.8	6.1
NE	.2	.1										.3	3.0
ENE	.1	.1	.2									.4	5.3
E	.1	.3	.2									.6	5.5
ESE		.3	.9	.1								1.3	8.1
SE	.6	.6	1.0	1.1								3.3	7.9
SSE	.4	1.3	1.3	1.0	.2							4.2	8.1
S	1.4	2.5	1.1	.6	.1							5.7	6.1
SSW	1.4	.3										1.7	2.7
SW	1.1	1.1	.3									2.5	3.9
WSW	.9	2.3	1.0									4.1	4.9
W	4.6	4.3	1.5	.6								11.1	4.6
WNW	3.7	2.6	.5	.5	.1	.3						7.7	5.4
NW	1.6	1.7	1.6	2.2	1.7	1.9	.8	.3				12.0	14.0
NNW	.5	2.6	3.4	4.6	1.9	2.2	.8	.3	.1			16.5	14.2
VARBL													
CALM												18.2	
	17.5	22.3	15.3	13.1	5.7	5.6	1.6	.6	.1			100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.4	3.4	3.5	1.2	.9	.1					11.3	11.6
NNE	.2	.9	.3	.1								1.5	6.1
NE		.5										.5	5.0
ENE	.2	.1	.1	.1								.5	5.8
E	.2	.2										.4	3.5
ESE		.6	.4	.1	.1							1.3	8.0
SE	.2	1.1	.5	1.0								2.8	8.4
SSE	.4	.6	1.4	1.1	.1							3.7	9.0
S	1.7	1.9	.8	.3	.2							4.9	5.8
SSW	1.1	.9	.1									2.0	3.7
SW	1.3	.8	.2									2.3	3.6
WSW	1.8	2.6	.5	.1								5.1	4.5
W	3.4	4.7	1.6	.6								10.4	4.9
WNW	2.8	2.9	1.0	.5	.5	.1						7.8	6.0
NW	1.8	2.3	1.4	1.6	2.4	1.7	.6	.8				12.6	14.6
NNW	.5	1.8	2.3	3.3	2.2	2.5	.4	.2	.1			13.3	15.1
VARBL													
CALM												19.5	
	16.6	23.3	14.1	12.5	6.7	5.2	1.2	1.0	.1			100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.0	2.7	2.6	1.5	.4	.3					10.0	11.9
NNE	.3	.2	1.2	.1								1.8	7.2
NE	.3	.5	.1									1.0	4.9
ENE	.2	.3	.4									1.0	6.0
E	.5	.1	.1	.1								.9	5.5
ESE	.3	.2	.5	.1								1.2	6.9
SE	.2	.8	1.2	.8	.1							3.0	8.6
SSE	.9	1.4	1.1	1.1								4.4	7.0
S	.9	1.1	1.0	.9								3.8	7.0
SSW	.8	.5	.2									1.5	3.7
SW	.8	.5	.2									1.5	4.2
WSW	2.2	1.6	1.0	.3								5.1	5.0
W	4.0	4.8	.8	.1								9.7	4.2
WNW	3.4	1.9	.3	.5	.1	.1						6.5	4.9
NW	2.0	2.7	1.1	4.2	2.3	.9	1.2	.5				14.8	13.6
NNW	.5	2.3	2.3	4.2	3.2	1.8	.4	.2				14.9	14.5
VARBL													
CALM												19.0	
	17.7	21.1	14.1	14.9	7.2	3.2	1.9	.8				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.6	2.6	4.8	1.7	1.0						12.3	12.5
NNE	.2	.3	.2	.1								.9	6.5
NE	.2	.1	.4									.8	6.6
ENE	.1	.6	.1									.9	5.0
E	.8	.9	.3	.4								2.4	6.0
ESE	.6	.5	.5		.1							1.8	5.9
SE	.4	.9	1.4	1.0	.1							3.8	8.6
SSE	.9	1.7	1.9	1.3	.3	.1						6.2	8.5
S	2.7	2.5	1.7	1.3	.3							8.5	6.6
SSW	1.2	1.2	.3									2.7	4.0
SW	.6	.9	.3									1.8	4.3
WSW	1.8	1.1	.4	.3		.2						3.9	5.6
W	4.4	2.3	.4	.3								7.4	4.0
WNW	1.3	.8	.2	.4	.3	.2	.1					3.3	8.3
NW	.5	1.1	1.6	2.0	2.0	1.7	1.5	.5				11.1	17.3
NNW	.6	1.1	3.0	4.1	2.2	3.3	.9	.3				15.5	16.2
VARBL													
CALM												16.9	
	17.0	17.4	15.6	16.1	7.1	6.6	2.5	.9				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.9	3.5	5.9	1.4	2.3	.4					17.5	12.6
NNE	.5	1.2	.6	.4	.1							2.9	6.7
NE	.6	.8	.2									1.6	4.4
ENE	.2	.5	.1	.1								1.0	5.4
E	.6	1.0	.8	.1								2.5	5.5
ESE	.6	1.0	.8	.1								2.5	6.1
SE	.6	2.8	1.1	1.2	.8	.2						6.7	8.7
SSE	2.8	3.1	2.6	2.3	.1	.8						11.6	7.9
S	2.0	2.4	3.5	.8	.2							8.9	6.6
SSW	.5	.5	.1									1.2	3.9
SW	.9	1.0	.2	.2								2.3	4.8
WSW	.4	.1	.4	.3	.2							1.5	8.9
W	.4	.4	.3	.2	.1	.1	.1					1.7	9.2
WNW	.2	.1		.5	.3	.4	.2					1.8	16.9
NW	.4	.3	.8	1.1	2.6	2.5	1.0	.5	.2			9.4	20.2
NNW	.2	.8	2.0	5.2	4.7	3.3	2.4	.8				19.4	18.6
VARBL													
CALM												7.6	
	12.4	18.8	17.1	18.4	10.5	9.6	4.1	1.3	.2			100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	3.1	4.6	5.7	2.2	1.3	.2	.2				17.8	12.2
NNE	.6	.5	1.1	.3								2.6	7.3
NE	.5	.2	.4	.2	.1							1.5	7.3
ENE	.3	.5	.1	.1								1.1	5.4
E	1.1	.8	.2									2.0	4.1
ESE	1.4	1.6	.5	.3								3.9	5.2
SE	1.0	2.6	1.0	1.8	.3							6.7	7.9
SSE	.6	2.6	1.8	1.3	.4	.6						7.4	9.8
S	2.2	3.2	2.2	.4	.1							8.1	5.6
SSW	1.0	.6	.1		.1							1.8	4.4
SW	.4	.3		.1	.1							1.0	6.1
WSW	.3	.2	.3	.5	.2							1.6	9.9
W	.4	.9	.5	.2	.1	.2						2.4	8.5
WNW	.4	.3	.5	.5	.1	.4	.2					2.6	13.2
NW		.6	1.1	2.6	.9	1.5	1.3					8.0	17.3
NNW	.4	1.0	3.1	5.3	3.8	3.5	1.6	.3		.1		19.1	17.1
VARBL													
CALM												12.5	
	11.3	19.1	17.6	19.5	8.4	7.6	3.3	.5		.1		100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.7	3.9	4.4	2.2	.9	.1					13.7	12.1
NNE	.4	.3	1.0	.2								1.9	7.1
NE	.1	.5	.2									.9	6.4
ENE	.1	.1		.1								.3	7.0
E	.2	.3	.1									.6	4.2
ESE	.3	.4	.5	.1								1.4	5.9
SE	1.1	.6	1.0	1.3	.1							4.1	8.1
SSE	1.1	1.5	1.2	1.5	.6	.3						6.2	9.3
S	2.0	2.9	.6	.4	.2	.2						6.5	5.9
SSW	.8	1.0										1.7	3.9
SW	.9	.9	.2	.2	.1							2.3	5.7
WSW	.3	1.1	.3	.3	.1	.1						2.7	7.1
W	2.9	2.0	.5	.6	.3							6.5	5.6
WNW	2.2	2.3	.3	.4	.1	.3						5.6	6.2
NW	1.1	2.8	2.2	1.2	1.7	2.4	1.2					12.5	14.0
NNW	.4	2.4	3.3	4.4	3.0	2.2	.8	.3				16.8	14.8
VARBL													
CALM												16.5	
	14.8	20.9	15.4	15.3	8.5	6.3	2.0	.3				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.4	2.5	2.9	2.0	.6	.8					11.6	12.9
NNE	.2	1.2	1.1									2.5	6.2
NE		.3	.3									.6	6.7
ENE	.1	.4	.1									.6	5.2
E	.1	.3										.4	4.8
ESE	.1		.3									.4	6.8
SE	.5	.5	1.6	1.0	.1							3.8	8.5
SSE	.4	1.3	1.2	1.5	.3	.8						5.5	11.0
S	1.7	2.0	1.3	.6	.5	.1						6.3	7.2
SSW	1.1	.6	.1									1.8	3.5
SW	.9	.8		.1								1.7	4.3
WSW	1.4	1.7		.4								3.5	5.1
W	4.8	4.5	1.3	.5	.3							11.5	4.9
WNW	2.5	1.8	.4	.9	.4	.3		.1				6.5	7.6
NW	1.6	3.2	1.9	2.0	1.8	1.3	.8					12.7	11.8
NNW	.4	1.7	2.4	4.1	1.8	2.2	.9	.4				13.9	15.3
VARBL													
CALM												16.6	
	16.3	22.9	14.5	14.1	7.4	5.3	2.4	.5				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.1	3.1	4.0	1.7	1.1	.3	.0				13.0	12.3
NNE	.3	.7	.7	.2	.0							1.9	6.7
NE	.3	.4	.2	.0	.0							.9	5.7
ENE	.2	.3	.1	.1								.7	5.5
E	.5	.5	.2	.1								1.2	5.1
ESE	.4	.6	.6	.1	.0							1.7	6.3
SE	.6	1.2	1.1	1.1	.2	.0						4.3	8.3
SSE	.9	1.7	1.6	1.4	.3	.3						6.2	8.8
S	1.8	2.3	1.5	.7	.2	.0						6.6	6.3
SSW	1.0	.7	.1		.0							1.8	3.7
SW	.8	.8	.2	.1	.0							1.9	4.5
WSW	1.2	1.3	.5	.3	.1	.0						3.4	5.7
W	3.1	3.0	.9	.4	.1	.0	.0					7.6	5.0
WNW	2.1	1.6	.4	.6	.3	.3	.1	.0				5.2	7.1
NW	1.1	1.8	1.5	2.1	1.9	1.7	1.0	.3	.0			11.6	15.0
NNW	.5	1.7	2.7	4.4	2.8	2.6	1.0	.4	.0	.0		16.2	15.9
VARBL													
CALM												15.8	
	15.5	20.7	15.9	15.5	7.7	6.2	2.4	.7	.1	.0		100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 7440

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.4	3.0	2.5	.4	.1						8.9	9.1
NNE		.5	.4	.4								1.2	8.3
NE	.6	.5	.5	.1								1.7	5.4
ENE		.6	.2									.8	5.9
E	.6	.2	.2									1.1	3.7
ESE	.1	.5	.7	.5								1.8	8.6
SE		.8	.7	.8	.1							2.5	9.2
SSE	.4	.9	2.0	1.9	.8	.1						6.2	10.9
S	1.4	1.1	1.7	.7	.2		.2	.1				5.4	8.8
SSW	1.1	.7	.2	.2								2.2	4.7
SW	.9	.7										1.7	3.4
WSW	1.7	1.9	.5	.1								4.1	4.2
W	6.3	4.3	2.0	.5	.2							13.3	4.6
WNW	2.7	3.6	1.2	.4	.5		.1					8.4	6.0
NW	1.9	1.7	1.4	2.0	2.5	1.5	.9	.1				12.1	14.1
NNW	.8	2.0	3.3	3.9	2.5	1.2	.6					14.3	13.1
VARBL													
CALM												14.4	
	19.1	22.2	18.0	14.0	7.2	3.0	1.9	.2				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 845

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.8	2.7	1.1	.7	.5						8.4	9.2
NNE	.2	.6	.5	.1								1.4	6.3
NE	.1	.1	1.2									1.4	7.1
ENE		.5	.5									.9	6.4
E	.4	.1	.4	.1								1.2	6.8
ESE	.6	.4	.5	.6								2.0	6.8
SE	.4	1.3	.7	1.2								3.5	8.4
SSE	.5	.5	1.3	.9	.8	.2						4.3	11.1
S	1.3	1.5	.8	1.1	.1	.5		.1				5.4	8.9
SSW	.5	.6										1.1	3.2
SW	.7	.8	.1									1.7	3.4
WSW	1.7	2.0	.6	.1								4.4	4.5
W	5.9	5.3	1.7	.6	.1							13.6	4.5
WNW	2.7	2.5	1.2	.4	.1	.1	.1					7.1	5.7
NW	2.4	2.0	1.5	2.5	1.3	.6	.5	.1				10.9	10.9
NNW	.9	1.4	3.1	3.8	3.8	2.6	.8	.1				16.5	15.1
VARBL													
CALM												10.2	
	18.8	22.5	16.9	12.4	7.0	4.5	1.4	.4				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.9	1.9	1.5	.9	.7						7.8	10.6
NNE	.1	.2	.7	.1								1.2	7.3
NE	.1	.5	.2									.8	5.1
ENE		.6	.8	.1								1.5	7.2
E	.5	.8	.4	.5								2.1	6.6
ESE	.4	.8	.4	.4	.1							2.0	7.4
SE	.2	1.5	.4	.4								2.5	6.1
SSE	.9	1.2	1.4	1.9	.5	.1						6.0	9.3
S	.5	1.1	1.5	.6	.1	.5						4.3	9.4
SSW	.7	.4	.2									1.3	4.0
SW	.7	1.2	.5									2.4	4.6
WSW	2.2	2.8	.5	.1								5.7	4.1
W	4.5	5.7	.9	.1	.1							11.3	4.2
WNW	2.4	2.8	.6	.7		.2						6.7	5.8
NW	1.8	1.5	2.0	2.6	1.4	.8	.5	.5				11.1	12.8
NNW	.4	1.2	2.5	4.4	3.2	3.3	1.2					16.1	16.2
VARBL													
CALM												17.1	
	16.2	24.2	14.9	13.4	6.4	5.7	1.7	.5				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 846

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.4	2.6	3.3	1.1	.9	.1					10.9	11.6
NNE	.1	.7	.6	.1								1.5	6.7
NE	.2		.6									.8	6.3
ENE	.1	.2	.1									.5	5.3
E	1.2	.9	.6	.4								3.1	5.7
ESE	.9	.8	.5	.2	.1							2.6	6.0
SE	.9	.9	1.2	.6	.4							4.0	7.7
SSE	1.3	1.3	2.0	2.1	1.4	.2						8.4	10.3
S	1.5	2.4	1.3	.6	.1	.1						6.0	6.3
SSW	1.1	.4	.2									1.7	3.6
SW	.9	.8	.2									2.0	4.1
WSW	1.5	1.3	.4									3.2	4.1
W	1.4	2.0	.2		.1							3.8	4.3
WNW	.6	.4	.6	.5	.1	.2	.2					2.6	11.5
NW	.9	.8	1.8	2.8	1.5	3.0	.8	.6				12.3	16.7
NNW	.2	1.8	2.7	4.5	5.0	4.1	1.9	.6				20.8	17.6
VARBL													
CALM												15.7	
	13.6	17.2	15.6	15.1	9.8	8.6	3.1	1.2				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 845

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.2	4.3	6.4	1.9	1.2	.4					17.1	12.4
NNE	.5	1.1	.7	.4								2.6	6.9
NE	.5	1.1	.5	.2								2.2	6.0
ENE	.7	.4	.1	.1								1.3	4.5
E	1.3	2.2	.8	.4								4.7	5.3
ESE	.7	.6	.2		.2							1.8	6.3
SE	1.2	1.7	1.2	1.7	.4							6.0	8.3
SSE	1.1	3.1	3.2	4.3	.7	1.1						13.4	10.6
S	1.2	2.8	.8	1.1	.1	.2						6.3	7.2
SSW	.8	.5	.1									1.4	3.5
SW	.1	.1										.2	4.5
WSW				.2								.2	15.0
W	.1	.1	.1	.1	.1							.6	10.2
WNW	.5		.4	.2		.5	.1					1.7	13.0
NW	.4	.1	.9	1.9	2.4	2.5	.7	.7				9.6	19.6
NNW	.4	1.8	2.0	5.0	5.6	5.2	2.0	.7				22.6	18.1
VARBL													
CALM												8.3	
	10.2	17.7	15.4	21.9	11.3	10.6	3.2	1.4				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 846

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.8	5.8	7.7	2.4	.8	.1					19.1	12.1
NNE	.8	2.0	2.1	1.1								6.0	7.1
NE	.6	.8	.9	.1								2.5	6.0
ENE	.1	.7	.2									1.1	4.6
E	.7	1.5	1.7	.1								4.0	6.0
ESE	.4	1.7	1.2	.5								3.7	7.0
SE	1.1	2.9	2.8	1.9	.5							8.2	8.8
SSE	1.1	2.6	2.8	1.8	.9	.2						9.5	9.3
S	2.2	2.5	.9	.5	.1	.1						6.4	5.7
SSW	.6	.7	.1									1.4	3.5
SW		.1	.2	.1								.5	8.0
WSW	.1	.1	.2	.2	.1							.8	10.3
W	.8	.1	.2	.2	.1			.1				1.7	8.4
WNW	.1	.2	.2	.4	.7	.2	.1					2.0	14.9
NW	.4	.2	.6	1.7	2.4	1.4	1.2	.1				7.9	18.8
NNW	.4	.9	1.7	3.9	3.4	3.7	1.2	.5	.1			15.7	18.2
VARBL													
CALM												9.6	
	9.9	18.0	21.9	20.1	10.6	6.5	2.6	.7	.1			100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 846

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	3.8	3.7	1.4	.4						11.5	11.1
NNE	.2	1.5	.6	.5	.1							3.0	7.1
NE	.2	.6	.5									1.3	5.9
ENE	.7	.6	.1									1.4	3.8
E	.1	.8	1.2									2.1	6.6
ESE	.4	1.1	1.3	.4								3.1	6.7
SE	.7	2.0	1.7	.8	.5							5.7	8.0
SSE	1.2	1.4	1.1	.8	.9	.1						5.6	9.1
S	1.8	2.0	1.3	.5								5.6	5.4
SSW	1.3	.8	.1									2.2	3.3
SW	1.2	1.2	.1									2.5	3.8
WSW	1.9	.8	.5	.1								3.3	4.3
W	3.1	1.9	.5	.2								5.7	4.2
WNW	2.5	2.5	.8	.4	.1	.4						6.6	6.2
NW	.9	1.4	2.1	2.4	1.3	1.1	.6					9.8	12.9
NNW	.5	1.4	4.3	3.2	2.4	1.2	.5	.1				13.5	13.6
VARBL													
CALM												17.3	
	17.0	22.0	19.9	12.9	6.7	3.1	1.1	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM 0-8-5 (DL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.8	2.8	3.0	.7	.5						8.5	11.2
NNE	.1	.5	.8	.4								1.8	7.7
NE		.4	.1									.5	6.5
ENE	.4	.5	.5	.1								1.4	6.0
E	.1	.7	.2									1.1	5.3
ESE	.1	.6	.9	.4								2.0	7.6
SE	.5	.8	.9	1.3								3.5	8.8
SSE	.7	1.1	1.7	2.0	.9	.1						6.5	11.0
S	1.5	2.7	1.4	.6		.1	.1					6.5	6.4
SSW	1.1	.9	.5	.1								2.6	4.9
SW	.8	1.1	.4									2.2	4.0
WSW	1.7	1.5	.6	.1								3.9	4.5
W	4.0	5.4	1.4	.4	.1							11.3	4.8
WNW	3.0	2.6	.8	.7	.2	.4						7.7	6.3
NW	1.7	2.6	1.5	2.7	2.4	1.3	.2	.1				12.5	12.2
NNW	.5	1.7	1.9	2.8	1.9	1.4	.4					10.5	14.0
VARBL													
CALM												17.4	
	16.8	23.9	16.5	14.5	6.3	3.8	.7	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.0	3.4	3.6	1.2	.6	.1					11.5	11.2
NNE	.3	.9	.8	.4	.0							2.3	7.1
NE	.3	.5	.6	.1								1.4	6.0
ENE	.3	.5	.3	.0								1.1	5.4
E	.6	.9	.7	.2								2.4	5.8
ESE	.4	.8	.7	.4	.1							2.4	7.0
SE	.6	1.4	1.2	1.1	.2							4.5	8.3
SSE	.9	1.5	1.9	2.0	.9	.3						7.5	10.2
S	1.4	2.0	1.2	.7	.1	.2	.0	.0				5.7	7.1
SSW	.9	.6	.2	.0								1.7	3.9
SW	.7	.8	.2	.0								1.6	4.1
WSW	1.3	1.3	.4	.1	.0							3.2	4.6
W	3.3	3.1	.9	.3	.1			.0				7.7	4.7
WNW	1.8	1.8	.7	.4	.2	.3	.1					5.4	7.0
NW	1.3	1.3	1.5	2.3	1.9	1.5	.7	.3				10.8	14.5
NNW	.5	1.5	2.7	3.9	3.5	2.8	1.1	.3	.0			16.3	16.1
VARBL													
CALM												14.5	
	15.2	21.0	17.4	15.5	8.2	5.7	2.0	.6	.0			100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 6766

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.9	2.0	2.6	.8	.2	.1	.3				8.3	11.9
NNE	.2		.6	.3	.2							1.4	9.8
NE		.1		.1								.2	11.0
ENE		.3										.3	4.0
E	.6	1.0	.8	.2								2.6	5.8
ESE	.5	.8	1.4	.3		.1						3.1	7.4
SE	1.1	1.5	1.6	1.2	.2	.1	.1					5.8	8.5
SSE	1.1	3.0	2.3	2.3	.6							9.2	8.5
S	1.2	4.1	2.4	1.4	.8							9.8	7.7
SSW	.9	1.0	1.2	.1								3.1	5.9
SW	.8	1.3	.2	.2								2.5	5.0
WSW	1.7	2.4	.8	.1	.1		.1					5.2	5.4
W	2.7	3.2	1.5	.2	.1							7.7	5.1
WNW	1.7	2.5	1.1	.2	.1	.2						5.8	5.9
NW	.3	1.6	1.7	1.5	.2	.5	.2	.5				6.7	13.2
NNW	.6	1.6	3.3	4.3	3.0	1.6	.8	.5				15.8	14.9
VARBL													
CALM												12.5	
	13.8	26.2	20.9	15.1	6.1	2.8	1.3	1.4				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.7	2.4	2.2	1.5	.3	.3	.1				8.8	12.1
NNE	.2	.4	.3	.3								1.3	7.0
NE		.4	.1									.5	5.6
ENE		.1	.4									.5	7.0
E	.5	.3	.6	.1								1.6	5.4
ESE	.1	.3	1.2	.3								1.9	8.4
SE	.8	1.8	1.6	.9	.3	.2	.1					5.7	8.7
SSE	.8	1.8	2.0	2.7	.8	.1						8.2	9.7
S	1.2	2.5	2.4	.5	.5	.2						7.3	7.6
SSW	.3	.5	.1									1.0	4.2
SW	.5	.9	.4									1.8	4.9
WSW	1.7	3.3	.5	.2			.3					6.1	6.1
W	3.4	4.2	1.6	.2								9.5	4.6
WNW	1.9	2.3	.3	.5	.2	.1						5.4	5.8
NW	.9	1.6	1.9	1.6	.8	.5	1.1	.2				8.6	13.2
NNW	.2	1.2	3.5	5.8	2.0	1.9	1.4	.4				16.6	15.6
VARBL													
CALM												15.2	
	12.9	23.4	19.6	15.4	6.1	3.4	3.2	.8				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.9	3.2	3.2	1.6	.5		.2				11.2	11.9
NNE	.3	.8	1.1	.1								2.3	6.7
NE	.1	.2	.3									.6	6.8
ENE	.1	.1	.1									.3	4.7
E	.3	.3	.6									1.3	6.2
ESE	.2	.6	.9	.5								2.3	8.1
SE	.4	1.0	1.1	1.4	.4							4.3	9.7
SSE	.9	1.9	3.2	2.3	.9	.1						9.3	9.4
S	1.5	1.8	1.9	1.4	.4	.3						7.4	8.4
SSW	1.0	.5	.3									1.8	4.1
SW	.8	.4	.5									1.7	4.3
WSW	1.9	2.9	.3		.1	.2						5.5	5.2
W	2.0	4.1	1.5	.1								7.8	5.3
WNW	1.9	1.9	.9	.6		.1	.2					5.7	6.5
NW	.9	2.3	1.5	.9	1.4	2.4	.8	.2				10.2	14.9
NNW	.6	.4	1.3	5.3	1.8	2.4	1.4	.9				14.1	17.9
VARBL													
CALM												14.2	
	13.5	21.3	18.8	15.8	6.7	6.0	2.4	1.3				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.5	3.2	6.3	2.3	.9		.3				16.2	12.4
NNE	.6	.9	.9	1.2								3.5	7.9
NE	.1	.3	.2	.1								.8	6.1
ENE	.2	.4	.1									.8	4.3
E	.5	.5	.5	.1								1.7	5.9
ESE	.4	.9	.9	.9	.2							3.2	8.5
SE	1.2	1.9	2.3	1.2	.3							6.9	7.5
SSE	.3	2.0	5.1	4.4	1.3	.8	.1					14.0	11.4
S	1.1	2.4	2.2	1.3	1.4	1.0	.1					9.4	10.8
SSW	.3	.3	.4		.1							1.2	6.1
SW	.4	.4		.2								1.1	5.5
WSW	.5	.2	.4	.4		.1						1.7	8.4
W	.4	.4	.3	.3	.3	.1						1.9	9.6
WNW	.3	.2	.3	.8	.1	.5	.1	.1				2.5	14.5
NW	.4	.4	1.2	2.0	1.7	2.2	1.1	.8				9.8	19.1
NNW	.3	.9	2.6	4.6	4.9	3.2	1.1	.9				18.5	17.8
VARBL													
CALM												6.9	
	8.1	14.7	20.5	23.9	12.7	8.7	2.5	2.0				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	3.7	6.2	3.4	1.0		.2				17.0	13.2
NNE	.2	1.2	1.3	1.0	.1							3.8	8.5
NE	.6	1.3	.5	.1								2.6	5.6
ENE	.2	.6	.4									1.3	5.8
E	.3	1.2	.1	.2								1.8	5.6
ESE	.4	1.4	2.0	1.0	.2	.2						5.3	8.9
SE	.5	.8	2.3	2.5	.9							6.9	10.5
SSE	1.1	1.2	2.4	4.4	2.5	1.0	.1					12.6	12.8
S	1.0	1.5	1.2	2.2	1.1	1.4	.3					8.6	13.0
SSW	.2	.1		.3								.6	8.5
SW	.1	.1	.5	.1	.3							1.2	10.9
WSW			.2	.5	.1	.2						1.1	15.5
W	.2	.1	.3	.6	.4	.1						1.8	13.1
WNW	.1	.1	.2	.6	.2	.6	.2	.1				2.3	18.3
NW	.2	.9	.6	1.2	1.8	1.4	1.1	.6				7.8	19.3
NNW	.4	.9	1.7	5.5	7.0	3.7	1.6	.9				21.6	18.5
VARBL													
CALM												3.8	
	6.7	12.8	17.5	26.5	18.1	9.6	3.3	1.8				100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.3	5.1	6.9	3.0	1.0	.2	.3				18.3	13.3
NNE	.1	1.0	1.6	1.2	.2							4.1	9.4
NE	.4	.9	.8	.1								2.2	6.1
ENE	.4	1.6	.5	.1								2.7	5.4
E	.9	1.6	.8	.6								3.9	6.4
ESE	.4	1.2	2.3	1.1	.1							5.1	8.5
SE	.6	.8	1.6	2.8	.3	.1						6.2	10.0
SSE	.8	1.6	3.0	4.7	.8	.3						11.2	11.0
S	.9	1.3	1.1	2.0	1.1	.6						7.0	11.7
SSW	.1	.5	.3	.5	.1	.1						1.7	10.6
SW	.4	.1	.5	.2								1.3	7.0
WSW	.1	.3	.5	.6	.2							1.8	10.8
W	.5	.3	.4	.5	.4							2.3	9.9
WNW	.1	.3	.3	.5	.3							1.6	10.6
NW	.1	.6	.2	1.8	1.3	1.8	.5	.3				6.8	18.9
NNW	.1	.5	1.9	5.2	5.3	4.7	1.2	.6				19.6	18.6
VARBL													
CALM												4.4	
	6.6	14.0	21.0	29.0	13.1	8.7	1.9	1.3				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.3	3.5	4.7	1.3	.6	.8	.3				13.9	13.2
NNE	.3	1.3	1.2	.8								3.5	7.7
NE	.3	1.1	1.1	.2								2.7	6.8
ENE	.3	1.6	.5									2.5	5.4
E	.5	1.8	1.4									3.8	5.8
ESE	.8	1.4	1.7	1.6								5.5	8.2
SE	1.5	1.6	3.0	1.2	.4							7.7	7.9
SSE	1.3	2.3	2.6	1.8	.4							8.4	8.1
S	.5	1.2	2.7	1.3	.6							6.3	9.0
SSW	.9	.9	.4									2.2	4.8
SW	1.1	.6	.3									2.0	3.8
WSW	.5	.9	.3	.1								1.8	4.9
W	1.1	1.3	.5		.1							3.0	5.3
WNW	.4	1.8	.4	.4								3.1	6.4
NW	.8	1.5	2.8	1.4	1.1	.6	.3	.1	.2			8.8	12.5
NNW	.1	1.7	3.0	4.8	3.1	1.3	.6	.3				15.1	14.9
VARBL													
CALM												9.7	
	10.8	23.2	25.6	18.4	7.1	2.6	1.7	.8	.2			100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.8	3.0	2.5	1.0	.3	.1					9.2	10.9
NNE	.1	.4	.1	.3								1.0	7.7
NE	.4	.2	.5	.1								1.3	5.8
ENE	.5	.5	.2									1.3	4.3
E	.8	.5	1.0	.2								2.5	6.0
ESE	.6	.8	.6	.6								2.7	7.2
SE	.5	1.9	1.7	1.4	.2	.2						6.0	8.8
SSE	2.0	2.7	3.2	1.6	.4							10.0	7.4
S	1.9	3.2	3.0	1.1	.2							9.5	6.8
SSW	1.0	.8	.1									1.8	3.7
SW	.5	1.1	.2	.2								2.0	5.2
WSW	1.8	2.2	.5	.2								4.7	4.6
W	2.5	2.5	.4	.3								5.7	4.3
WNW	1.3	2.0	.5	.3								4.2	5.1
NW	.5	1.5	3.0	2.5	1.0	.2	.2	.3				9.9	12.6
NNW	.4	1.3	4.2	4.2	2.4	2.3	.2	.9				15.8	14.9
VARBL													
CALM												12.4	
	15.6	23.4	22.5	15.6	5.2	3.7	.5	1.2				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.9	3.3	4.3	1.9	.6	.2	.2				12.9	12.5
NNE	.3	.7	.9	.6	.1							2.6	8.2
NE	.3	.6	.4	.1								1.4	6.2
ENE	.2	.7	.3	.0								1.2	5.2
E	.6	.9	.7	.2								2.4	5.9
ESE	.4	.9	1.4	.8	.1	.0						3.6	8.2
SE	.8	1.4	1.9	1.6	.4	.1	.0					6.2	8.9
SSE	1.0	2.1	3.0	3.0	1.0	.3	.0					10.4	10.0
S	1.2	2.2	2.1	1.4	.8	.4	.1					8.2	9.3
SSW	.6	.6	.4	.1	.0	.0						1.7	5.8
SW	.6	.6	.3	.1	.0							1.7	5.5
WSW	1.0	1.5	.5	.3	.1	.1	.1					3.5	6.3
W	1.6	2.0	.8	.3	.2	.0						5.0	5.8
WNW	1.0	1.4	.5	.5	.1	.2	.1	.0				3.8	7.8
NW	.5	1.3	1.6	1.6	1.2	1.3	.7	.4	.0			8.6	15.4
NNW	.4	1.1	2.7	5.0	3.7	2.6	1.0	.7				17.1	16.8
VARBL													
CALM												9.9	
	11.0	19.9	20.8	19.9	9.4	5.7	2.1	1.3	.0			100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.0	2.1	2.1	.4							5.8	10.5
NNE	.2	.3	.6	.1								1.2	7.2
NE		.6	.3									.9	5.9
ENE	.3	.2	.7									1.2	6.4
E	.8	.6	.4	.2	.3							2.3	7.1
ESE	.4	.6	1.1	.6								2.7	7.5
SE	.7	2.0	1.0	1.0	.2							4.9	7.6
SSE	.4	1.8	2.6	3.6	1.0							9.3	10.5
S	1.2	2.6	2.1	2.9	.4							9.2	8.5
SSW	1.2	1.4	.7	.1								3.4	4.9
SW	.8	1.2	.2									2.2	4.3
WSW	1.3	2.6	.3		.1							4.3	4.6
W	4.0	5.1	1.8									10.9	4.4
WNW	1.7	2.2	1.1	.7		.1	.1					5.9	6.4
NW	.8	1.7	3.1	2.3	2.1	.9	.4					11.3	12.5
NNW	.2	1.8	2.4	3.9	3.1	1.1	.2					12.8	13.6
VARBL													
CALM												11.6	
	14.2	25.6	20.6	17.4	7.8	2.1	.8					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.9	3.0	3.8	.1		.2					8.4	10.5
NNE	.3	.1	.6									1.0	6.6
NE	.1	.8	.4	.1								1.4	6.6
ENE	.1	.7	.4	.1								1.3	7.0
E	.1	.4	.6	.3								1.4	7.8
ESE	.4	.4	.9	.1	.1							2.0	7.5
SE	.6	1.3	1.0	.4	.2							3.6	7.4
SSE	.7	1.9	2.1	3.7	.9							9.2	10.2
S	1.1	1.6	1.8	2.1	.4	.1						7.1	9.0
SSW	.4	1.1		.1								1.7	4.9
SW	1.2	.8	.3	.1								2.4	4.3
WSW	1.6	2.8	.6									4.9	4.4
W	4.0	3.4	1.1		.1							8.7	4.1
WNW	3.3	2.4	1.8	.3		.2						8.1	5.5
NW	1.0	1.9	1.7	1.7	1.1	1.7	.9	.1				10.0	14.2
NNW	.2	1.9	2.9	4.9	2.9	1.6	.1					14.4	13.7
VARBL													
CALM												14.2	
	15.7	22.4	19.1	17.8	5.9	3.6	1.2	.1				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) JUL 84 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	4.9	4.8	.9	.4	.1					14.4	10.4
NNE	.1	.9	.4	.3								1.8	7.1
NE	.1	.4	.3	.4								1.3	8.0
ENE	.1	.1	.1	.1	.1							.6	9.0
E	.1	.6	.6	.2								1.4	7.3
ESE	.1	.4	.2	.3	.2							1.3	9.8
SE	.4	1.0	1.4	1.1	.3							4.3	9.1
SSE	1.1	1.2	1.3	3.0	.8							7.4	10.2
S	1.7	2.1	2.4	2.3	1.9	.3						10.8	10.2
SSW	1.0	1.2	.1		.1							2.4	4.3
SW	1.6	1.0	.2									2.8	3.7
WSW	1.7	1.6	.4		.1							3.8	4.5
W	2.3	1.7	1.2									5.2	4.4
WNW	.9	1.7	1.1	.7	.1	.1						4.6	7.4
NW	.6	1.4	1.2	2.3	1.9	1.6	1.1	.2				10.3	16.1
NNW	1.1	1.8	3.1	5.3	4.3	1.3	.7	.1				17.8	14.2
VARBL													
CALM												9.7	
	14.0	19.3	19.2	21.0	10.8	3.8	1.9	.3				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.1	5.3	6.2	3.0	.4	.1					18.0	11.8
NNE	.9	1.4	.7	.8	.1							3.9	7.1
NE	.6	.6	.3	.1								1.6	4.9
ENE	.3	.4	.4	.3								1.6	7.9
E	.7	1.0	.9	.3								2.9	6.5
ESE	.4	1.2	.4	.8	.2	.1	.1					3.3	9.0
SE	.4	1.8	2.8	1.1	.7	.1						6.9	9.2
SSE	.6	2.3	2.9	4.8	1.6	.6						12.7	11.5
S	1.0	2.3	1.1	2.9	1.6	1.4						10.3	12.2
SSW	.4	.3	.2	.3								1.3	6.7
SW		.3	.2	.1								.7	7.5
WSW	.1	.2	.3									.7	6.5
W	.1	.1		.2								.4	8.0
WNW	.2		.3	.1	.1	.2	.3	.1				1.4	18.4
NW	.2	.3	.9	2.2	1.9	2.7	1.3	.3				9.9	19.5
NNW	.6	1.0	3.1	6.1	5.4	3.4	1.1	.2				21.0	16.5
VARBL													
CALM												3.4	
	7.3	15.6	20.0	26.4	14.6	9.0	3.0	.7				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	4.7	7.9	1.9	.6						16.7	12.2
NNE	.1	1.8	1.6	.8	.							4.3	7.8
NE	.8	1.2	.8	.8								3.6	6.3
ENE	.4	.8	.6	.4								2.2	6.6
E	.7	1.4	1.9	1.1	.:							5.2	8.2
ESE	.2	1.3	1.7	.9	.2							4.3	8.7
SE	.2	1.4	2.4	2.8	1.1	.1						8.1	11.1
SSE	.3	1.0	1.2	3.1	1.9	.8						8.3	13.2
S	.7	.8	1.8	3.4	1.9	1.3	.2					10.1	14.2
SSW	.2	.1	.6	.4		.1						1.4	10.3
SW		.1	.3	.1	.1							.7	10.7
WSW	.3	.2	.2	.8	.3							1.9	10.9
W	.1	.1	.4	.7	.1							1.4	10.8
WNW	.2	.4	.2	.1	.3	.3	.3					2.0	15.2
NW	.2	.4	.9	1.7	2.9	3.6	1.0	.3				11.0	19.9
NNW	.2	.8	1.2	5.3	4.3	3.0	1.1	.1	.2			16.3	17.9
VARBL													
CALM												2.3	
	5.3	13.1	20.4	30.3	15.3	9.8	2.7	.4	.2			100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

CLASS: ALL WEATHER

CONDITION:

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.8	3.4	7.2	1.6	.6						15.3	11.9
NNE	.3	1.3	1.9	1.2	.1							4.9	8.5
NE	.8	1.2	.9	.9								3.8	7.3
ENE	.1	1.3	2.1	1.0								4.6	8.3
E	.6	2.1	2.1	1.1	.1							6.0	7.9
ESE	.3	1.0	1.2	1.1	.1	.1						3.9	8.8
SE	.6	1.2	2.4	2.6	1.2	.4	.1					8.6	11.9
SSE	.3	1.0	1.9	2.3	1.8	.2	.1					7.7	12.5
S	.6	.7	2.0	2.7	2.2	.3						8.4	12.8
SSW	.2	.1	.2	.3								.9	8.1
SW	.2	.1	.4	.8	.3							1.9	11.4
WSW	.2	.1	.4	.3	.2	.1						1.4	11.8
W	.3	.3	.4	.2								1.3	7.1
WNW	.1		.3	.6	.7	.3	.3					2.3	18.1
NW	.2	.7	.4	2.0	1.8	3.0	.7	.6	.1			9.4	20.0
NNW	.8	.8	1.8	5.2	5.1	2.8	.7	.1				17.2	16.2
VARBL													
CALM												2.3	
	6.4	13.8	22.1	29.6	15.2	7.9	1.9	.7	.1			100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AUG 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.0	3.3	4.0	.8	.1						10.7	10.4
NNE	.4	1.6	1.9	1.4								5.3	8.3
NE	.7	1.3	1.4	.7								4.1	7.0
ENE	.9	1.8	1.1	.2								4.0	5.9
E	.4	2.8	3.1	1.8	.1							8.2	8.4
ESE	.8	.9	1.7	1.3	.4							5.1	8.9
SE	.8	1.8	2.0	1.9	1.2	.2						7.9	10.2
SSE	.4	1.9	1.9	2.9	.1							7.2	9.6
S	1.0	2.1	1.8	1.0	.1	.1						6.1	7.5
SSW	.3	.6	.2	.1								1.2	5.3
SW	.6	.3	.2									1.1	3.6
WSW	.2	.3	.1	.2								.9	6.9
W	.2	.3	.7				.1					1.3	8.1
WNW	.4	1.3	1.1	.7		.1	.1					3.8	8.3
NW	.2	1.3	2.8	3.1	1.6	1.0	.3	.1				10.5	13.7
NNW		1.4	3.0	4.2	3.6	1.3	.2	.1				13.9	14.3
VARBL													
CALM												8.6	
	7.9	21.8	26.4	23.6	7.9	2.9	.8	.2				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.1	2.4	1.9	.4	.1						6.8	9.5
NNE	.1	.8	.8	.7								2.3	8.5
NE	.1	.9	.3									1.3	5.3
ENE	.2	1.0	.4	.2								1.9	6.6
E	.3	1.4	.7	.2	.3							3.0	7.5
ESE	.6	.9	1.2	1.1	.1							3.9	8.4
SE	.6	1.0	1.4	1.9	.9							5.8	10.7
SSE	.9	1.8	2.7	2.2	.2							7.8	8.7
S	2.0	3.9	3.1	1.0	.4							10.4	6.8
SSW	1.6	1.2	.3									3.1	3.8
SW	1.2	1.1	.1									2.4	3.4
WSW	1.1	2.1	.2	.2								3.7	4.5
W	2.4	4.4	.7	.1		.1						7.8	4.8
WNW	.9	2.0	1.0	.4		.3						4.7	7.0
NW	.8	2.0	2.2	1.7	2.7	1.0						10.3	12.4
NNW	.3	1.6	3.7	2.8	3.6	.8	.6					13.2	13.6
VARBL													
CALM												11.6	
	13.9	27.2	21.3	14.4	8.7	2.3	.6					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

ALL (HOURS (L.S.T.))

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.5	3.7	4.7	1.1	.3	.1					12.0	11.2
NNE	.3	1.0	1.0	.7	.0							3.1	7.9
NE	.4	.9	.6	.4								2.3	6.6
ENE	.3	.8	.7	.3	.0							2.2	7.1
E	.5	1.3	1.3	.7	.1							3.8	7.8
ESE	.4	.8	1.1	.8	.2	.0	.0					3.3	8.6
SE	.5	1.4	1.8	1.6	.7	.1	.0					6.3	10.0
SSE	.6	1.6	2.1	3.2	1.0	.2	.0					8.7	10.9
S	1.2	2.0	2.0	2.3	1.1	.5	.0					9.1	10.3
SSW	.7	.8	.3	.2	.0	.0						1.9	5.5
SW	.7	.6	.3	.1	.1							1.8	5.4
WSW	.8	1.2	.3	.2	.1	.0						2.7	5.7
W	1.7	1.9	.8	.2	.0	.0	.0					4.6	4.9
WNW	1.0	1.3	.9	.4	.2	.2	.2	.0				4.1	8.5
NW	.5	1.2	1.7	2.1	2.0	1.9	.7	.2	.0			10.3	16.0
NNW	.4	1.4	2.7	4.7	4.0	1.9	.6	.1	.0			15.8	15.2
VARBL													
CALM												8.0	
	10.6	19.8	21.1	22.6	10.8	5.2	1.6	.3	.0			100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 7199

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.6	2.3	2.7	.9	.3						8.1	10.7
NNE	.3	1.2	1.0		.1							2.6	6.6
NE	.1	.6	.2									1.0	5.2
ENE	.3	.8	.1	.1								1.3	5.0
E	.5	.5	.3	.4								1.8	6.8
ESE	.2	.6	.4	.2	.2							1.7	8.0
SE	.8	1.7	1.1	1.3								4.8	7.6
SSE	.4	3.3	2.2	1.5								7.4	7.8
S	.9	4.3	4.3	2.4	.3							12.2	7.8
SSW	1.2	1.7	.5		.1							3.5	4.8
SW	.6	1.8	.1									2.6	4.7
WSW	2.2	1.5	.3									4.0	3.6
W	3.9	4.3	.8									8.9	4.0
WNW	1.6	2.0	1.2									4.8	4.8
NW	1.1	2.6	2.7	1.6	.9	.2	.2					9.2	9.5
NNW	.6	1.7	3.4	4.3	1.7	.6						12.5	11.7
VARBL													
CALM												13.5	
	15.1	30.4	20.9	14.5	4.2	1.2	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.9	2.3	2.2	.1	.1						7.1	8.9
NNE	.2	.5	.3	.3								1.4	6.5
NE	.1	.5	.1									.8	4.6
ENE	.2	.4		.1								.8	5.0
E	.6	.8	.3	.5								2.3	6.7
ESE	.5	.4	.5	.3								1.8	7.2
SE	.5	.8	.5	.8								2.6	7.5
SSE	1.0	1.4	2.5	2.2	.4							7.4	8.7
S	1.6	3.5	2.9	2.9	.1							11.1	7.8
SSW	1.5	1.3	.4									3.2	4.0
SW	1.1	2.2	.1									3.3	4.2
WSW	1.7	1.5	.1	.2								3.5	4.0
W	3.0	5.5	.8	.1								9.4	4.4
WNW	2.2	2.6	.6		.1							5.5	4.5
NW	.9	1.9	3.1	1.6	.4	.4	.1					8.5	9.6
NNW	.4	1.8	3.3	5.8	2.3	1.0	.2					14.8	12.9
VARBL													
CALM												16.6	
	16.1	27.1	18.0	17.0	3.4	1.5	.3					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AA 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.9	3.3	2.9	.2							8.8	9.0
NNE	.1	.4	1.0	.4								1.9	8.2
NE	.1	.3		.1								.5	5.6
ENE		.3	.3	.2								.9	8.4
E	.5	.4	.5	.4	.1							2.0	7.7
ESE	.2	.2	.5	.2								1.2	8.0
SE	.4	1.5	1.4	.8	.1							4.2	7.6
SSE	1.0	2.8	4.5	2.6	.5	.1						11.5	8.9
S	2.3	4.6	3.2	4.1	.6	.2	.1					15.2	8.6
SSW	.9	1.0	.4									2.3	4.5
SW	1.3	1.7	.4	.1								3.5	4.7
WSW	1.7	2.2	.5									4.4	4.2
W	1.4	1.5	.9	.2								4.0	4.9
WNW	1.2	1.6	1.0	.5	.2	.1						4.6	7.0
NW	.9	.9	1.5	2.8	.9	1.5						8.4	13.4
NNW	.5	1.3	3.9	8.9	3.1	.8	.1					18.6	13.0
VARBL													
CALM												8.0	
	12.9	22.7	23.4	24.3	5.8	2.7	.2					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.6	6.0	5.3	1.0	.1						16.1	9.8
NNE	1.1	1.2	2.0	.6								5.0	7.0
NE	1.2	.6	.8	.1								2.7	5.0
ENE	.3	.8	.4	.1	.1							1.7	6.9
E	1.3	1.1	.5	.3	.2							3.1	6.7
ESE	.5	.8	2.2	.4								3.9	7.3
SE	.5	.6	3.4	.9	.3							5.8	8.8
SSE	.5	2.2	5.1	6.4	1.9	.5						16.6	11.5
S	.8	1.9	2.0	4.0	2.3	.8						11.7	12.3
SSW	.3	.2	.1	.3								1.0	7.6
SW		.3	.1	.6								1.1	10.2
WSW	.2	.2	.2	.3								1.0	8.0
W	.4	.2	.5	.4	.1							1.7	8.8
WNW		.3	.9	.3	.1	.1	.1					1.8	11.9
NW		.3	1.0	1.4	1.8	1.7						6.2	17.2
NNW	.4	1.5	2.8	6.7	4.2	1.1	.2					16.9	14.2
VARBL													
CALM												3.7	
	8.5	14.9	28.1	28.2	12.1	4.3	.3					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 929

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3		[illegible]	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.2	6.9	5.7	1.2	.2						16.7	10.5
NNE	.8	1.0	2.6	.6								4.9	7.6
NE	.3	1.7	1.5	.1								3.7	6.3
ENE	.3	1.1	1.2	.1	.2							2.9	7.1
E	.8	1.0	1.2	.5	.2							3.7	7.3
ESE	.5	.9	2.3	1.4	.1							5.2	8.9
SE	.2	1.1	2.8	2.5	.1							6.7	9.7
SSE	.1	.9	3.0	5.8	1.8	.5						12.2	12.9
S	.6	.9	1.6	5.6	3.5	1.0	.2					13.4	14.4
SSW	.2	.3	.1	.2	.1		.1					1.1	10.2
SW	.1	.4	.5	.3								1.4	7.8
WSW	.1	.4	.4	.4								1.4	8.4
W	.1	.4	.9	1.0								2.4	10.1
WNW	.2	.1	.5	.1	.4	.2						1.6	11.9
NW	.4	.4	.8	.9	1.3	1.3	.5	.3				5.9	17.9
NNW	.2	.6	2.7	4.5	4.2	2.0	.3					14.6	15.7
VARBL													
CALM												2.4	
	5.6	13.3	28.9	29.8	13.2	5.3	1.2	.3				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.8	5.6	5.7	1.4	[illegible]	.1					15.7	10.9
NNE	.5	1.4	2.9	1.5	[illegible]							6.3	7.9
NE	.2	1.0	1.5	.2								2.9	7.4
ENE	.5	1.4	1.9	.3	.1							4.3	7.1
E	.4	1.3	1.8	.9	.1	[illegible]						4.7	8.8
ESE	.3	.5	2.2	1.6	.1							4.7	9.8
SE	.6	1.0	2.2	1.6	1.2							6.6	10.7
SSE	.2	1.3	2.8	3.9	[illegible]	.1						10.1	12.1
S	.4	1.1	1.9	4.3	[illegible]	.5						10.4	12.9
SSW	.2	.3	1.0	.4	[illegible]	.1	.1					2.4	11.0
SW		.2	.8	.8	[illegible]							2.0	12.1
WSW	.2	.2	.3	.3								1.1	8.2
W	.6	.2	1.0	1.1	.4							3.3	10.0
WNW	.1		.4	.8	.5		.1					1.9	14.2
NW		.6	.6	2.3	2.6	.9	.3	.1				7.4	16.5
NNW		.4	1.7	5.9	3.2	1.8	.2	.1				13.4	16.1
VARBL													
CALM												2.6	
	5.4	12.8	28.6	31.5	14.0	4.1	.9	.2				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.3	3.5	3.8	1.5	.1						11.6	10.6
NNE	.5	1.4	1.6	.6								4.2	7.0
NE	.5	1.2	1.3	.6								3.7	6.9
ENE	.8	2.0	.5	.3								3.7	5.7
E	.3	2.7	2.3	1.5	.2	.1						7.1	8.2
ESE	.1	1.1	2.2	1.8	.3							5.5	9.7
SE	.9	1.7	2.6	1.4	.3							6.9	8.4
SSE	1.1	1.6	2.9	1.4	.4		.1					7.5	8.7
S	1.1	2.7	2.5	1.9	.2	.1						8.5	8.4
SSW	.9	1.1	.5	.2	.2							2.9	6.4
SW	.9	.6	.2	.2								1.9	5.1
WSW	.5	.9	.8	.4								2.6	6.7
W	1.4	.3	.2	.2	.2		.1					2.5	6.8
WNW	.9	1.6	.5	.8		.2	.1					4.1	7.9
NW	.5	1.2	3.0	3.3	1.4	.2	.2					9.9	11.7
NNW	.5	1.4	2.0	5.1	2.7	.6	.3					12.7	13.4
VARBL													
CALM												4.8	
	11.3	23.8	26.7	23.7	7.5	1.4	.9					100.3	8.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.4	2.8	1.6	.4	.1						7.1	9.4
NNE	.4	.5	.5	.3								1.8	6.9
NE	.2	.5	.4									1.2	5.5
ENE	.3	.9	.3	.2								1.7	6.1
E	1.0	1.2	1.0	.8	.1							4.0	7.4
ESE	.2	1.2	1.1	.3								2.8	7.1
SE	.3	1.2	1.3	.8	.4							4.0	8.7
SSE	1.3	3.1	2.5	1.6								8.5	7.3
S	1.2	4.4	3.7	1.5	.1							10.9	6.8
SSW	1.5	1.6	.5	.3								4.0	5.3
SW	1.6	1.3	.4	.1								3.4	4.4
WSW	2.0	1.3	.1	.1								3.6	3.6
W	2.5	3.9	.5	.2								7.1	4.5
WNW	1.3	2.3	1.2	.1		.1						5.0	5.7
NW	.4	3.2	3.2	1.6	.4	.9						9.8	9.7
NNW	.4	1.3	4.2	3.9	2.2	1.3	.2					13.5	13.0
VARBL													
CALM												11.7	
	15.5	29.3	23.8	13.5	3.7	2.4	.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.0	4.1	3.7	.8	.1	.0					11.4	10.1
NNE	.5	1.0	1.5	.6	.							3.5	7.3
NE	.3	.8	.7	.1								2.0	6.2
ENE	.3	1.0	.6	.2	.1							2.2	6.5
E	.6	1.1	1.0	.7	.1	.0						3.6	7.7
ESE	.3	.7	1.4	.8	.1							3.3	8.6
SE	.5	1.2	1.9	1.2	.3							5.2	8.8
SSE	.7	2.1	3.2	3.2	.8	.2	.0					10.2	10.1
S	1.1	2.9	2.8	3.3	1.2	.3	.0					11.7	10.0
SSW	.8	.9	.5	.2	.1	.0	.0					2.5	6.1
SW	.7	1.1	.3	.3	.0							2.4	5.9
WSW	1.1	1.0	.3	.2								2.7	4.9
W	1.7	2.0	.7	.4	.1		.0					4.9	5.6
WNW	.9	1.3	.8	.3	.2	.1	.0					3.7	7.1
NW	.5	1.4	2.0	1.9	1.2	.9	.2	.1				8.2	12.6
NNW	.4	1.3	3.0	5.6	2.9	1.2	.2	.0				14.6	13.7
VARBL													
CALM												7.9	
	11.3	21.8	24.8	22.8	8.0	2.9	.5	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 7438

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.7	1.9	1.0		.1						5.1	7.8
NNE		.6			.1							.7	6.8
NE	.2	.6	.1									.9	4.5
ENE	.1	.2	.2									.6	5.6
E	.6	1.0	.4	.2								2.2	5.6
ESE	.4	.2	.6	.1								1.3	6.4
SE	.7	1.2	1.0	.4								3.3	6.6
SSE	.8	2.8	2.7	.7	.1							7.0	7.1
S	1.4	5.2	6.0	.7	.2							13.6	6.8
SSW	.9	2.1	.2	.1								3.3	4.7
SW	1.9	1.1										3.0	3.3
WSW	3.2	2.1	.2		.1							5.7	3.5
W	5.0	4.2	.7		.1							10.0	3.8
WNW	2.2	2.3	1.7	.3	.2	.1						6.9	6.0
NW	.6	3.7	1.9	2.0	.7	.3	.1					9.2	9.3
NNW	.9	2.3	3.7	2.4	.9	.1						10.3	9.3
VARBL													
CALM												16.8	
	19.4	31.4	21.2	8.0	2.4	.7	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 899

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.2	1.3	1.7	.3	.1						5.0	9.9
NNE	.3	.3	.4	.1								1.2	5.7
NE	.2	.2	.1		.1							.7	6.0
ENE	.1	.1	.2	.1								.6	8.2
E	.2	.4	.7	.1								1.4	6.8
ESE	.6	.8	.4									1.8	4.9
SE	.9	.7	.8	.6								2.9	6.7
SSE	1.0	2.3	2.9	.6								6.8	6.7
S	1.6	3.9	3.6	1.1	.2							10.3	6.9
SSW	1.3	1.0	.3	.2								2.9	4.8
SW	1.9	.8		.1								2.8	3.2
WSW	3.8	1.1	.3									5.2	3.0
W	5.2	4.6	.8	.1								10.7	3.9
WNW	2.7	4.8	1.1	.3		.3						9.2	5.5
NW	1.7	2.6	2.7	1.8	.7	.3						9.7	8.6
NNW	1.3	2.7	3.4	2.3	1.3	.6	.2	.1				12.0	10.5
VARBL													
CALM												16.9	
	23.1	27.4	19.1	9.1	2.7	1.3	.2	.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.9	4.2	3.4	.1							10.4	9.2
NNE	.6	.4	.3	.1								1.4	5.2
NE	.4	.1	.1									.7	4.0
ENE	.4	.1	.1									.7	3.5
E	.2	.3	.1									.7	4.5
ESE	.6	.4	.2	.4	.1							1.8	7.6
SE	.3	1.7	1.0	.2	.1							3.3	6.6
SSE	.9	2.1	3.6	2.1	.1							8.8	8.4
S	2.0	4.2	3.2	3.2	.4							13.1	8.1
SSW	1.8	1.6	.2	.1	.1							3.8	4.3
SW	2.0	1.1	.2		.1							3.4	3.8
WSW	2.8	1.1	.1	.1								4.1	3.2
W	4.0	2.4	1.1	.3								7.9	4.5
WNW	1.6	.8	.6	.8	.4	.2						4.3	8.2
NW	1.0	1.6	1.8	2.3	1.3	1.0	.3					9.3	12.4
NNW	1.1	2.1	3.7	4.7	1.7	1.1						14.3	11.6
VARBL													
CALM												11.9	
	20.4	22.0	20.6	17.9	4.6	2.3	.3					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	4.0	7.9	5.4	.2							18.9	9.0
NNE	.8	1.8	1.8	.2								4.6	6.2
NE	.7	2.2	.6									3.4	5.0
ENE	.6	1.9	.6	.1								3.1	5.1
E	.8	2.3	1.1	.1								4.3	5.4
ESE	1.1	1.3	.7	.2								3.3	5.3
SE	.6	1.3	2.2	2.4	.1							6.7	9.1
SSE	.6	2.1	4.2	5.7	.6	.1						13.2	10.0
S	.7	1.9	2.6	3.8	1.7	.2						10.8	11.5
SSW	.3	.6	.2	.1								1.2	5.5
SW	.2	.2	.3									.8	5.7
WSW	.2	.2	.1	.2								.8	6.9
W	.2	.4	.1	.6								1.3	8.5
WNW	.2		.2	.8	.1							1.3	11.4
NW	.4	.1	1.0	1.6	2.0	.9	.2	.1				6.3	16.1
NNW	.9	1.8	3.4	6.1	2.8	1.0						16.0	12.6
VARBL													
CALM												3.9	
	9.6	22.2	27.0	27.3	7.4	2.2	.2	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	3.1	8.2	5.8	1.1	.1						19.5	9.7
NNE	.7	1.4	1.9	.8	.1							4.9	7.8
NE	.3	2.0	1.0	.4								3.8	6.6
ENE	.8	2.3	.6	.1								3.8	5.2
E	1.3	2.2	1.9	.1								5.6	5.6
ESE	.9	1.2	2.3	1.0	.2							5.7	7.8
SE	.2	2.1	2.0	2.6	.2							7.1	9.3
SSE	.2	1.6	1.9	6.1	1.9	.1						11.8	12.2
S	.4	1.6	1.6	5.1	1.2							9.9	11.6
SSW	.3	.3	.3	.1								1.1	6.0
SW		.3	.2	.1								.7	6.7
WSW	.4	.4	.1	.1	.1							1.2	6.1
W	.2	.3	.3	.6	.4							1.9	11.1
WNW	.1	.1	.1	.1	.3	.1						.9	13.6
NW	.3	.7	.4	2.0	.9	.2		.1				4.7	13.6
NNW	.8	1.2	2.4	5.0	3.8	.8	.2					14.2	13.9
VARBL													
CALM												3.3	
	8.2	21.0	25.4	30.0	10.3	1.3	.2	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	3.0	6.4	5.7	1.0	.2		.2				18.3	10.0
NNE	.4	1.0	1.9	.8	.2							4.3	8.3
NE	.7	1.2	.7	.2								2.8	5.5
ENE	.6	2.1	1.0	.3								4.0	6.0
E	.6	1.6	3.3	1.6								7.0	8.2
ESE	.4	1.7	1.9	1.6	.1							5.7	8.4
SE	.6	1.6	2.1	1.9	.1							6.2	8.8
SSE	.9	1.6	3.0	4.4	.7							10.6	10.0
S	1.1	1.6	1.8	3.8	.3							8.6	10.0
SSW	.1	.2	.3	.1								.8	7.3
SW	.1	1.0	.1									1.2	5.5
WSW	.6	.4	.2	.2			.1					1.6	7.8
W	.6	1.0	.6	.2	.1							2.4	6.6
WNW	.4	.7	.2	.4	.4	.2						2.4	10.4
NW	.1	.6	1.0	2.0	1.1	.2	.1					5.1	13.5
NNW	.7	2.2	2.6	5.8	2.6	1.0						14.8	12.8
VARBL													
CALM												4.2	
	9.6	21.3	27.1	29.0	6.7	1.7	.2	.2				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.0	5.3	3.0	.4	.1	.2	.1				12.6	9.5
NNE	.9	2.3	.9	.4	.2							4.8	6.4
NE	.2	1.2	1.3	.1		.1						3.0	7.3
ENE	.7	3.3	1.4	.2								5.7	5.8
E	.9	3.7	2.0	1.0								7.6	6.7
ESE	.7	1.2	2.4	2.6								6.9	8.9
SE	.3	2.4	3.2	1.3								7.3	7.9
SSE	1.2	2.2	2.4	1.4								7.3	7.3
S	.7	2.0	2.4	.9	.1							6.1	7.5
SSW	1.3	.7	.7									2.7	4.4
SW	1.0	1.2				.1						2.3	4.6
WSW	.6	1.0	.4	.1								2.1	5.6
W	1.2	.6		.2	.2							2.2	5.6
WNW	.9	.6	.3	.7	.6							3.0	9.1
NW	.6	1.7	2.3	1.4	.8	.4						7.2	10.3
NNW	.3	1.6	3.4	4.6	1.1	.3	.2	.3				11.9	12.6
VARBL													
CALM												7.3	
	11.8	28.7	28.8	18.0	3.4	1.1	.4	.4				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	1.8	.3	.2							4.3	7.4
NNE	.3	.6	1.0	.3	.1							2.3	7.6
NE	.2	1.3	.4									2.0	5.3
ENE	.3	.6	.6									1.4	5.9
E	.7	1.2	2.1	.2								4.2	7.0
ESE	.6	1.1	1.4	.7	.1							3.9	7.7
SE	.8	1.2	1.8	.9			.1					4.8	8.0
SSE	1.1	2.0	2.7	1.1		.1						7.0	7.6
S	1.2	5.4	4.2	1.2								12.1	6.6
SSW	1.7	1.1	.7									3.4	4.4
SW	2.7	1.0	.2	.1								4.0	3.4
WSW	2.0	.9	.2									3.1	3.3
W	4.7	3.1	.9	.4								9.1	4.3
WNW	1.2	3.1	.4	.2	.1	.2						5.3	5.8
NW	1.1	3.1	2.8	1.3	.4	.3	.1					9.2	8.4
NNW	1.0	2.0	3.3	2.2	.8	.4	.1	.1				10.0	10.2
VARBL													
CALM												13.7	
	20.0	29.3	24.6	9.1	1.8	1.1	.3	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.4	4.6	3.3	.4	.1	.0	.0				11.8	9.3
NNE	.5	1.1	1.0	.3	.1							3.0	7.0
NE	.4	1.1	.5	.1	.0	.0						2.2	5.8
ENE	.4	1.3	.6	.1								2.5	5.6
E	.7	1.6	1.5	.4								4.1	6.6
ESE	.7	1.0	1.3	.8	.1							3.8	7.6
SE	.5	1.5	1.8	1.3	.1		.0					5.2	8.2
SSE	.8	2.1	2.9	2.8	.4	.0						9.1	9.1
S	1.1	3.2	3.2	2.5	.5	.0						10.6	8.5
SSW	1.0	.9	.4	.1	.0							2.4	4.8
SW	1.2	.8	.1	.0	.0	.0						2.3	4.0
WSW	1.7	.9	.2	.1	.0		.0					3.0	4.0
W	2.6	2.1	.6	.3	.1							5.7	4.7
WNW	1.2	1.5	.6	.5	.3	.2						4.2	7.1
NW	.7	1.7	1.7	1.8	1.0	.5	.1	.0				7.6	11.0
NNW	.9	2.0	3.3	4.1	1.9	.7	.1	.1				12.9	11.9
VARBL													
CALM												9.8	
	15.3	25.4	24.2	18.6	4.9	1.5	.3	.1				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 7198

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72o625	ELLSWORTH AFB SD	73-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	1.5	1.0	.3	.1						5.2	8.2
NNE	.1	.3	.5		.1							1.1	7.7
NE	.6	.5	.1	.2								1.5	5.3
ENE	.5	.4	.1									1.1	3.9
E	.3	.9	.2	.1								1.5	5.6
ESE	.2	.2	.4	.1								1.0	6.6
SE	.5	1.3	1.4	.2								3.4	6.3
SSE	.9	3.9	4.3	.5	.1							9.7	7.0
S	1.9	5.3	5.2	1.5	.2	.1						14.2	7.2
SSW	1.1	1.7	.6	.3								3.8	5.4
SW	1.5	1.6	.4									3.5	4.1
WSW	2.5	1.4	.4	.2								4.5	4.1
W	4.3	2.6	.3									7.2	3.2
WNW	2.7	1.8	.4	.3								5.3	4.1
NW	1.2	4.0	2.2	.8	.3							8.2	6.7
NNW	1.0	2.9	3.9	2.9	1.5	.2	.1	.1				12.6	10.3
VARBL													
CALM												16.3	
	20.4	30.0	22.0	8.0	2.6	.4	.1	.1				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.9	3.1	1.2	.2	.3						7.2	9.0
NNE	.2	.2	.2	.2								.9	7.1
NE		.2	.1	.2								.5	9.0
ENE	.6	.2	.1									1.0	3.8
E	.4	.3	.3									1.1	5.1
ESE	.2	.8	.1	.1								1.2	5.8
SE	.5	2.4	.6	.4								4.0	6.1
SSE	1.1	2.8	3.2	1.2								8.3	7.2
S	2.3	4.8	4.7	1.6	.1							13.5	6.9
SSW	1.0	1.7	.3									3.0	4.4
SW	1.3	1.2	.5									3.0	4.3
WSW	2.9	1.1	.4									4.4	3.4
W	4.7	3.0	.5									8.3	3.4
WNW	3.2	2.5	.2									5.9	3.5
NW	2.2	3.2	1.5	.5	.4	.1						8.0	6.5
NNW	1.2	3.3	3.2	2.5	.5	.4	.1					11.3	9.4
VARBL													
CALM												18.5	
	22.3	29.7	19.4	8.0	1.3	.9	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	3.8	2.4	.5	.1						9.5	9.2
NNE	.9	1.3	.4	.1		.1						2.8	6.1
NE	.1	.5	.3	.1								1.1	6.7
ENE		.5	.1	.1								.8	6.1
E	.6	1.2	.4	.1								2.4	5.0
ESE	.3	.5	.5	.2								1.6	6.6
SE	1.0	1.4	.9	.5								3.8	6.0
SSE	1.4	3.0	4.5	2.9	.3							12.2	8.3
S	2.4	3.8	5.1	2.9	.9							14.9	8.2
SSW	1.7	1.5	.1	.2								3.5	3.9
SW	1.5	.9	.3									2.7	3.6
WSW	1.9	.8										2.7	3.2
W	3.3	1.7	.2									5.3	3.1
WNW	1.4	.6	.2									2.3	3.7
NW	.9	2.8	.6	1.1	.3	.2						5.9	7.9
NNW	.2	2.6	6.0	4.3	1.5	.1	.1					14.8	10.7
VARBL													
CALM												13.9	
	18.6	24.8	23.5	14.9	3 5	.5	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	3.7	5.5	5.3	.5							16.8	9.0
NNE	.5	1.9	1.2	.2	.1							4.0	6.4
NE	1.5	1.3	.5									3.3	4.2
ENE	.8	1.3	.1	.2								2.4	5.1
E	.9	2.4	.8									4.0	4.9
ESE	.4	.4	.9	.2								1.9	6.7
SE	.9	2.5	2.2	.5	.1							6.1	6.8
SSE	1.1	3.4	5.7	6.1	.6							17.0	9.6
S	1.2	1.7	4.7	5.3	2.2	.3						15.4	11.2
SSW	.4	.4	.4	.3	.1							1.7	7.7
SW	.6	.1	.1									.9	3.4
WSW	.5		.1	.2								.9	5.4
W		.4	.1	.1								.6	7.0
WNW	.1	.5	.1	.3								1.1	7.7
NW	.4	.9	.4	.5	.2							2.5	8.3
NNW	1.3	1.8	3.5	6.6	1.6	.1						14.9	11.0
VARBL													
CALM												6.6	
	12.5	22.8	26.3	25.9	5.5	.4						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	5.5	6.1	1.3	.2						16.7	10.5
NNE	.4	1.7	1.7	.2								4.1	6.5
NE	.6	1.4	1.0	.2								3.2	6.1
ENE	.8	1.5	.5	.2								3.0	5.5
E	1.2	2.6	1.4	.3								5.5	5.7
ESE	1.0	1.4	1.6	.9								4.8	7.0
SE	.9	1.6	4.0	2.6								9.0	8.3
SSE	.8	2.2	4.7	6.5	.9							14.9	10.5
S	1.1	1.4	2.7	6.5	2.3	.1						14.0	12.0
SSW	.2	.2		.3	.1							.9	8.5
SW	.1	.4	.2	.2								1.0	7.1
WSW	.3	.2	.2									.8	4.4
W	.4	.1	.4									1.0	5.1
WNW	.3	.5	.4	.1	.2							1.6	7.9
NW	.3	1.0	1.8	1.2	.3	.1	.1					4.8	10.2
NNW	.5	1.2	3.1	4.0	1.1	.3	.1	.1				10.4	12.0
VARBL													
CALM												4.3	
	10.0	19.9	29.4	29.2	6.1	.8	.2	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.6	5.1	4.0	.6	.3						12.7	10.1
NNE	.4	1.2	1.8	.8		.1						4.3	8.2
NE	.3	1.2	1.2	.4								3.1	7.2
ENE	.6	1.2	.9	.3								3.0	5.9
E	1.0	2.9	2.8	1.5								8.2	7.0
ESE	.9	1.5	2.6	1.1	.1							6.1	8.2
SE	1.0	1.9	3.9	2.5	.1							9.4	8.7
SSE	.5	2.3	4.5	3.8	.9	.1						12.1	9.9
S	.9	1.9	3.2	4.7	.3	.2						11.3	10.4
SSW		.9	.5	.9			.1					2.4	9.6
SW	.4	.8		.1	.2							1.5	6.6
WSW	.4	.5	.3	.2								1.5	6.6
W	.1	.6	.2	.4	.1							1.5	8.2
WNW		.6	.3	.3	.2		.1					1.6	11.1
NW	.4	1.1	1.6	1.9	.2	.1						5.4	9.4
NNW		.9	3.8	4.1	2.0	.4	.1					11.3	12.6
VARBL													
CALM												4.6	
	8.1	21.1	32.7	27.0	4.8	1.3	.3					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.3	4.6	3.2	.4	.3						11.3	9.6
NNE	.9	1.5	1.8	.4		.1						4.7	6.9
NE	.1	.8	1.1	.3	.2							2.5	8.6
ENE	1.1	2.2	1.6	.4								5.3	6.0
E	1.8	3.5	3.1	1.2								9.7	6.5
ESE	.3	1.8	4.0	1.1	.1							7.3	8.2
SE	1.2	3.2	3.4	1.7	.1							9.7	7.2
SSE	.9	2.9	3.4	1.9	.3							9.5	8.1
S	.8	1.9	1.9	.4	.4	.2						5.7	8.2
SSW	.8	.3	.4	.3	.1							1.9	6.6
SW	1.0	1.0	.4	.1	.2							2.7	6.0
WSW	1.0	1.3	.3	.1	.2							2.9	5.7
W	1.2	.9	.3	.3	.1	.1						2.9	6.3
WNW	.9	1.2	.3	.3		.2						2.9	6.7
NW	.3	2.3	1.6	1.0		.1						5.3	7.8
NNW	.8	1.1	2.9	3.2	.3	.1	.1					8.5	10.4
VARBL													
CALM												7.3	
	13.2	28.1	31.4	16.1	2.6	1.2	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.1	2.4	.6	.1							4.9	7.7
NNE	.1	1.2	.9	.1								2.3	6.2
NE	.5	1.3	.4	.1		.1						2.5	5.7
ENE	.6	1.2	.4	.2								2.5	5.7
E	.9	1.6	.6	.6								3.8	6.1
ESE	.4	1.4	1.6	.2								3.7	6.5
SE	.9	1.6	2.5	.5								5.5	7.0
SSE	1.3	4.3	1.9	.5	.3							8.4	6.4
S	2.4	4.6	4.9	.9	.1	.1						13.0	6.5
SSW	1.7	1.6	.6	.2	.2							4.4	5.3
SW	1.4	1.5	.5	.1								3.5	4.4
WSW	2.0	1.9	.5									4.5	4.1
W	3.2	1.4	.3	.1								5.1	3.5
WNW	1.9	2.3	.3	.1								4.6	4.1
NW	.5	3.4	2.6	.5	.3	.3						7.7	7.7
NNW	.8	3.8	2.7	2.2	.2	.2						9.8	8.5
VARBL													
CALM												13.9	
	19.5	34.2	23.3	7.1	1.3	.8						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	3.9	3.0	.5	.2						10.5	9.5
NNE	.4	1.2	1.1	.3	.0	.0						3.0	6.9
NE	.5	.9	.6	.2	.0	.0						2.2	6.3
ENE	.6	1.1	.5	.2								2.4	5.5
E	.9	1.9	1.2	.5								4.5	6.1
ESE	.5	1.0	1.5	.5	.0							3.5	7.4
SE	.8	2.0	2.4	1.1	.0							6.4	7.4
SSE	1.0	3.1	4.0	2.9	.4	.0						11.5	8.7
S	1.6	3.2	4.1	3.0	.8	.1						12.8	8.9
SSW	.9	1.0	.4	.3	.1		.0					2.7	5.9
SW	1.0	.9	.3	.1	.1							2.4	4.7
WSW	1.5	.9	.3	.1	.0							2.8	4.3
W	2.2	1.3	.3	.1	.0	.0						4.0	4.0
WNW	1.3	1.3	.3	.2	.1	.0	.0					3.2	5.1
NW	.8	2.3	1.5	.9	.3	.1	.0					6.0	7.4
NNW	.7	2.2	3.6	3.7	1.1	.2	.1	.0				11.7	10.7
VARBL													
CALM												10.7	
	15.6	26.3	26.0	17.0	3.5	.8	.1	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 7439

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.7	1.6	1.3	.1							5.3	8.0
NNE	.3	.6	.5	.1								1.6	6.3
NE	.3	.2	.3									.9	5.1
ENE	.4	.8	.3	.2								1.7	6.1
E	.8	1.1	.2	.1	.1							2.3	5.5
ESE	.2	.5	.3									1.1	5.3
SE	.5	1.2	1.5	.3								3.6	6.7
SSE	1.2	3.0	3.1	1.4								8.7	7.2
S	2.2	5.4	4.5	2.2	.1							14.3	7.0
SSW	1.4	1.4	.8	.3								3.9	5.4
SW	2.4	1.7	.2	.2								4.5	4.0
WSW	2.9	1.7	.2									4.8	3.3
W	5.1	4.2	.6		.1							10.0	3.8
WNW	2.0	2.5	.9									5.4	4.5
NW	1.1	3.8	2.6	.9	.5							8.8	7.2
NNW	.6	1.4	1.3	3.1	.8	.3	.1					7.6	11.2
VARBL													
CALM												15.5	
	22.0	31.2	19.1	10.1	1.7	.3	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	1.9	1.1								5.1	7.9
NNE	.3	.6	.2									1.2	5.2
NE	.1		.1	.1								.3	8.0
ENE		.3	.1									.4	5.8
E	.6	.6	.6									1.9	5.0
ESE	.3	.4	.5	.3								1.6	6.8
SE	.3	1.4	.9	.3								2.9	6.6
SSE	1.5	2.6	2.4	1.9	.1							8.5	7.6
S	1.8	3.0	4.1	1.4	.2	.1						10.6	7.4
SSW	1.3	1.3	.2	.1								2.9	4.4
SW	1.8	1.1	.5									3.4	4.0
WSW	3.1	1.2	.6									4.9	3.5
W	4.1	4.3	.9									9.2	4.0
WNW	2.4	3.7	.5	.1								6.7	4.2
NW	1.9	3.7	1.7	.6	.5	.3		.1				8.9	7.5
NNW	.8	3.1	3.0	3.3	.9	.2	.1					11.4	9.8
VARBL													
CALM												19.9	
	20.9	28.9	18.4	9.4	1.7	.6	.1	.1				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AM 64 0-8-5 (DL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.7	2.8	1.7	.1							8.1	7.7
NNE	.3	.3	.2	.1								1.0	5.8
NE		.4	.2									.6	6.3
ENE	.1			.1								.2	8.0
E	.3		.1	.1								.5	5.4
ESE	.2	.3	.3	.1								1.0	6.2
SE	.3	1.1	1.7	.6	.2							4.0	8.1
SSE	1.2	1.6	4.3	3.0	.6	.2						11.0	9.5
S	2.8	3.1	4.2	2.6	.3							13.0	7.4
SSW	1.4	1.8	.5									3.8	4.2
SW	2.0	1.4										3.4	3.3
WSW	2.5	.6	.2									3.3	3.0
W	3.5	3.3	1.0	.3								7.6	4.5
WNW	1.0	1.5	.9	.3								3.7	5.5
NW	1.0	1.9	1.4	1.9	.3	.4						7.0	9.6
NNW	.9	2.9	3.9	4.1	1.6	.9	.2					14.4	11.4
VARBL													
CALM												17.4	
	17.7	23.1	21.7	15.1	3.2	1.4	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.1	6.1	4.8	.8	.2						17.3	9.2
NNE	1.1	1.3	1.0	.5								3.9	6.2
NE	.6	.5	.4	.1								1.7	5.1
ENE	.6	1.0	.4	.2								2.3	5.1
E	1.1	1.1	1.2									3.3	5.4
ESE	.8	1.0	.5	.1								2.4	5.6
SE	1.0	1.5	3.2	1.4								7.1	7.7
SSE	1.1	2.5	4.0	4.3	.4	.2						12.5	9.6
S	1.5	2.7	3.7	4.8	1.9	.3						14.9	10.4
SSW	.4	.6	.4	.3		.1						1.9	7.3
SW	.2	.5	.2	.2								1.2	6.9
WSW	.2		.4		.1							.8	8.4
W	.4	.4	.1		.1	.1						1.2	7.4
WNW	.3	.2	.6			.1						1.3	7.8
NW	.6	.9	1.6	1.4	.6	.3	.1					5.6	11.1
NNW	.4	1.9	3.3	5.7	2.5	.6	.2					14.7	12.6
VARBL													
CALM												8.0	
	11.7	20.2	27.3	24.0	6.5	2.0	.3					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.4	4.7	5.4	1.6	.3						15.4	10.7
NNE	.8	2.0	.9	.4								4.1	5.9
NE	.8	1.5	1.1	.3								3.7	6.1
ENE	.1	1.4	1.0									2.5	5.9
E	1.4	2.0	1.4	.5								5.4	5.9
ESE	.5	1.6	1.5	.8								4.4	7.1
SE	1.2	2.8	3.8	2.8	.1							10.7	8.2
SSE	.5	1.3	4.1	4.7	1.3	.2						12.2	11.1
S	1.0	1.7	3.3	3.3	1.2	.6						11.2	11.1
SSW	.4	.2	.5	.6								1.8	8.1
SW	.2	.4	.6	.5	.1							1.9	9.0
WSW	.3	.1	.4	.3								1.2	8.0
W	.3	.6	.5	.3	.1							1.9	7.9
WNW	.1	.4	.3	.4	.2							1.5	10.1
NW	.3	.8	1.1	.9	.9	.4						4.3	11.9
NNW	.5	1.0	2.7	5.5	2.3	.8	.1					12.8	13.2
VARBL													
CALM												5.1	
	9.5	20.3	28.0	26.9	7.8	2.4	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 929

USAFETAC FORM AA 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.6	4.3	6.0	1.1	.1						14.6	10.7
NNE	.6	1.2	2.2	1.3	.4	.1						5.8	9.0
NE	.5	.9	1.1	.2								2.7	6.4
ENE	1.0	1.8	1.2	.2								4.2	5.7
E	.9	3.3	2.4	.6	.2							7.4	7.1
ESE	.3	1.2	1.9	1.5								5.0	8.8
SE	.3	2.7	2.8	2.9	.2							8.9	8.9
SSE	.9	2.4	3.0	4.0	.5	.1						10.9	9.6
S	.6	2.0	3.4	3.1	1.3	.1						10.7	10.5
SSW	.3	1.1	1.1	.3								2.8	7.3
SW	.3	.6	.9	.5								2.4	7.9
WSW	.5	.2	1.0	.6	.1							2.5	8.0
W	.2	.8	.2	.4		.1						1.7	8.2
WNW	.5	.4	.2	.8								1.9	7.7
NW	.4	.8	.4	.9	1.0	.2		.1				3.8	12.7
NNW	.2	1.2	3.1	3.6	1.2	.5	.1	.1				10.0	12.3
VARBL													
CALM												4.7	
	8.3	23.1	29.2	27.0	6.0	1.3	.1	.2				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.6	5.0	2.5	.3	.1						10.7	9.3
NNE	.3	1.9	1.4	.9								4.5	7.5
NE	.6	2.2	1.1									3.9	5.6
ENE	1.2	3.3	1.0	.3	.1		.1					6.0	5.9
E	1.6	2.6	3.3	.5	.1							8.2	6.6
ESE	.6	1.8	2.5	1.7		.1						6.8	8.6
SE	1.1	2.6	3.4	1.5	.1							8.7	7.4
SSE	1.5	3.3	2.3	1.7	.3	.1						9.3	7.5
S	1.3	2.7	1.8	.6	.3							6.8	6.9
SSW	1.1	.6	.2	.5								2.5	6.2
SW	.5	.6	.5									1.7	4.9
WSW	1.0	.4			.1	.1	.1					1.7	7.2
W	1.4	1.3	.6	.5								3.9	5.5
WNW	1.1	1.4	.8	.1								3.3	5.2
NW	.5	2.0	1.6	1.1	.4	.1						5.8	8.8
NNW	.6	1.8	2.5	1.8	.9	.3	.1					8.1	10.0
VARBL													
CALM												8.2	
	14.7	31.3	28.0	13.9	2.7	.9	.3					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.6	1.3	1.7	.3							5.7	8.8
NNE	.2	.8	.8	.1		.1						1.9	7.6
NE	.2	.8	.2	.4								1.6	6.7
ENE	.3	.4	.2	.2	.1							1.3	7.4
E	1.2	1.9	.3	.4		.1						4.0	5.9
ESE	.4	1.3	.6	.2		.1						2.7	6.3
SE	.5	1.8	2.0	.3								4.7	6.6
SSE	1.6	2.9	2.6	1.1		.1						8.3	6.8
S	2.2	5.1	4.6	1.4	.1							13.4	6.8
SSW	1.9	1.8	.4	.3								4.5	4.8
SW	1.8	1.2	.1	.2	.2							3.6	5.2
WSW	2.0	1.4	.4		.1							4.0	4.3
W	3.3	4.0	.8	.1	.4							8.6	4.9
WNW	1.6	2.2	1.0	.1								4.8	4.7
NW	1.2	2.7	2.0	1.6	.5							8.1	8.0
NNW	.8	1.7	2.7	2.0	.9	.5						8.6	10.6
VARBL													
CALM												14.1	
	20.2	31.6	20.2	10.3	2.7	1.0						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.4	3.5	3.1	.5	.1						10.3	9.4
NNE	.5	1.1	.9	.4	.1	.0						3.0	7.1
NE	.4	.8	.6	.1								1.9	6.0
ENE	.5	1.1	.5	.2	.0		.0					2.3	5.9
E	1.0	1.6	1.2	.3	.1	.0						4.1	6.2
ESE	.4	1.0	1.0	.6		.0						3.1	7.5
SE	.7	1.9	2.4	1.3	.1							6.3	7.8
SSE	1.2	2.4	3.2	2.8	.4	.1						10.2	8.8
S	1.7	3.2	3.7	2.4	.7	.1						11.9	8.5
SSW	1.0	1.1	.5	.3		.0						3.0	5.6
SW	1.2	1.0	.4	.2	.0							2.8	5.2
WSW	1.6	.7	.4	.1	.1	.0	.0					2.9	4.7
W	2.2	2.4	.6	.2	.1	.0						5.5	4.8
WNW	1.1	1.5	.6	.2	.0	.0						3.6	5.3
NW	.9	2.1	1.6	1.2	.6	.2	.0	.0				6.5	9.1
NNW	.6	1.9	2.8	3.6	1.4	.5	.1	.0				11.0	11.5
VARBL													
CALM												11.6	
	15.6	26.2	29.0	17.1	4.0	1.3	.2	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.7	2.4	.9	.1							5.3	8.0
NNE	.3	.3	.1									.8	4.3
NE	.1	.2	.1									.4	5.0
ENE	.1	.3	.1		.1							.7	7.5
E	.3	.1	.3	.2								1.0	7.2
ESE	.3	.3	.2	.1	.1							1.1	6.8
SE	.2	1.1	.6									1.9	5.7
SSE	1.0	3.6	3.7	2.1	.4							10.8	7.9
S	1.9	5.0	3.0	2.0	.3							12.2	7.0
SSW	1.1	1.8	.4									3.3	4.5
SW	1.0	1.0	.1									2.1	3.7
WSW	2.7	1.6	.6	.1								4.9	3.8
W	6.0	3.3	.2									9.6	3.2
WNW	2.9	3.3	.9	.2	.2	.1						7.7	5.3
NW	.9	3.6	2.9	1.2	.6	.3	.1					9.6	8.7
NNW	.3	2.2	3.1	3.7	.9	.3						10.6	10.5
VARBL													
CALM												18.1	
	19.4	29.4	18.8	10.6	2.8	.8	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM AA 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.4	1.0	.2	.1						4.8	8.4
NNE	.4	.7		.1								1.2	5.0
NE		.4	.1									.6	5.2
ENE	.1	.3		.1								.6	5.8
E		.2	.6	.3								1.1	9.2
ESE	.1	.3										.4	4.3
SE	.2	.6	.7	.1								1.6	6.6
SSE	.7	2.3	2.9	1.8	.6							8.2	8.6
S	2.4	3.4	2.8	2.4	.1							11.2	7.1
SSW	1.0	.3	.2		.1							1.7	4.3
SW	2.4	.4	.3	.1								3.3	3.5
WSW	3.2	1.6	.1	.1		.1						5.1	3.8
W	5.8	4.9	.1									10.8	3.3
WNW	3.4	3.2	.6	.2								7.4	4.0
NW	.8	3.3	2.9	1.8	1.0	.6	.1					10.4	9.8
NNW	.2	2.2	4.0	3.6	1.2	.7	.1					12.0	11.2
VARBL													
CALM												19.6	
	21.6	25.7	16.7	11.7	3.2	1.4	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.0	1.4	1.3	.7							6.6	8.5
NNE	.4	.7	.4									1.6	5.0
NE		.1	.6									.7	7.5
ENE	.2	.1	.2	.1								.7	6.2
E	.3	1.1	.6									2.0	5.8
ESE		.3	.1	.1								.6	6.4
SE	.3	1.0	.4	.1								1.9	5.5
SSE	1.2	1.3	2.2	1.4	.7							6.9	8.7
S	1.9	2.3	4.6	2.9	.2							11.9	8.3
SSW	1.2	.8	.3									2.3	4.0
SW	1.0	1.0										2.0	3.3
WSW	2.1	2.1	.3	.1								4.7	4.0
W	6.1	2.7	.3	.1								9.2	3.2
WNW	2.9	1.6	.3	.3	.2							5.3	4.8
NW	.6	2.1	2.2	2.6	.9	.8	.2					9.3	11.4
NNW	1.0	2.4	4.7	4.3	2.0	.7	.2					15.3	11.3
VARBL													
CALM												19.1	
	20.4	21.7	18.8	13.4	4.7	1.4	.4					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	2.7	4.2	3.1	.6	.4	.1					13.0	9.1
NNE	1.4	1.0	1.9	.3								4.7	6.1
NE	.7	.4	.3	.2								1.7	5.7
ENE	.9	1.3	.4									2.7	4.5
E	.6	1.2	.1									1.9	4.2
ESE	.3	1.2	.7									2.2	5.5
SE	.8	1.9	1.9	.8	.1							5.4	7.3
SSE	.9	2.4	3.3	5.0	.8	.2						12.7	10.1
S	.9	2.3	2.8	4.9	.7	.6						12.1	10.6
SSW	.9	.3	.3	.2	.2							2.0	6.9
SW	.7	.2	.2	.1								1.2	5.1
WSW	.3	.3	.1	.3								1.1	6.9
W	.7	.4	.4	.2	.2							2.0	7.6
WNW		.2	.4	.9	.2	.1						1.9	12.6
NW	.3	.6	.7	2.8	2.4	.9	.2					7.9	15.7
NNW	.3	1.8	3.7	5.3	4.2	2.6	.4	.1				18.4	14.7
VARBL													
CALM												9.1	
	11.6	18.4	21.6	24.2	9.4	4.8	.8	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.8	4.7	3.7	1.3	.7		.2	.1			14.0	11.2
NNE	.8	1.6	2.7	.6	.1							5.7	7.3
NE	1.3	1.8	.8	.2								4.1	5.1
ENE	1.1	1.2	.8	.3								3.4	5.3
E	.6	2.6	.9	.1								4.1	5.6
ESE	.9	.9	1.6	.2								3.6	6.4
SE	.7	1.2	2.8	2.0	.1							6.8	8.8
SSE	.3	1.1	3.8	6.6	1.9	.6						14.2	12.4
S	.3	.8	1.2	5.3	1.7	.2						9.6	13.2
SSW	.1	.2	.1	.6								1.0	9.6
SW	.2			.3								.6	9.4
WSW	.1	.3	.2	.1								.8	7.1
W		.1	.2	.2								.6	9.8
WNW	.2	.3	.4	.3	.2							1.6	9.5
NW	.2	.3	1.4	1.6	2.2	.9						6.7	15.3
NNW	.6	1.1	3.3	5.3	5.4	1.6	.9	.2	.1	.1		18.7	15.9
VARBL													
CALM												4.8	
	8.0	16.3	24.9	27.4	13.0	3.9	.9	.4	.2	.1		100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.2	5.3	5.7	1.2	.4	.1					15.8	10.5
NNE	.2	1.4	1.0	1.9								4.6	8.9
NE	.4	1.4	1.3	.4								3.7	6.9
ENE	.7	1.3	1.3	.3	.1							3.8	6.9
E	1.0	2.1	2.0	.7								5.8	6.5
ESE	.4	2.0	.9	.4								3.8	6.6
SE	.6	2.7	3.4	2.7	.1							9.4	8.7
SSE	.8	1.0	4.0	5.2	.9							11.9	10.6
S	.4	.9	1.9	4.8	1.0	.1						9.1	12.0
SSW		.7	.2	.1	.1							1.1	7.6
SW	.1	.4	.4	.1	.1							1.2	7.5
WSW	.1	.3	.3	.2			.1					1.1	9.2
W	.1	.3	.2	.2		.2						1.1	10.4
WNW		.1		.7	.1	.1						1.0	13.9
NW	.4	.9	.9	1.6	1.1	.7	.3					5.9	13.8
NNW	.2	1.4	2.9	6.7	2.4	2.9	.7	.1				17.3	15.4
VARBL													
CALM												3.4	
	6.3	19.3	26.2	31.7	7.2	4.4	1.2	.1				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.4	3.2	2.6	.7	.6						10.9	9.7
NNE	.7	1.7	2.0	.3								4.7	6.5
NE	.1	.6	1.1	.2								2.0	7.2
ENE	.6	2.8	1.6	.1								5.0	5.8
E	1.6	3.2	1.3	1.0								7.1	6.1
ESE	.8	1.9	3.7	1.4								7.8	7.8
SE	1.0	2.0	3.4	.9								7.3	7.1
SSE	.9	2.8	3.4	1.3	.1							8.6	7.5
S	1.2	2.7	1.6	.1								5.6	5.6
SSW	.6	.3	.1	.1								1.1	4.6
SW	.4	.2	.1									.8	3.6
WSW	.4	.6	.1	.1	.1							1.3	6.5
W	1.0	1.1	.1									2.2	3.6
WNW	1.0	2.1	.3		.3							3.8	6.0
NW	.4	2.7	2.0	2.0	.6	.1						7.8	8.9
NNW	.6	1.8	5.1	3.7	1.4	.7	.1					13.3	11.2
VARBL													
CALM												10.8	
	11.7	29.8	29.2	13.9	3.2	1.3	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM AA 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.7	1.8	1.3	.4	.1						6.2	8.8
NNE	.2	.4	.8	.3								1.8	7.6
NE	.1	.4	1.1									1.7	7.3
ENE	.2	.3	.1	.1								.8	5.4
E		.3	.1			.1						.6	9.4
ESE	.2	.9	.7	.1	.1							2.0	7.1
SE	.3	.9	1.1	.2								2.6	6.7
SSE	1.4	3.4	3.4	1.0								9.3	6.7
S	2.4	6.0	3.8	1.6								13.8	6.2
SSW	1.1	1.4	.3		.1							3.0	4.8
SW	1.3	1.1	.6	.1								3.1	4.3
WSW	3.1	1.1	.4									4.7	3.2
W	4.9	3.0	.2	.1								8.2	3.4
WNW	2.3	3.1	.7		.1							6.2	4.4
NW	.6	3.9	3.3	1.7	.8	.1	.2					10.6	9.0
NNW	.7	3.0	3.4	2.9	1.6	.1		.1				11.8	10.5
VARBL													
CALM												13.8	
	19.9	31.1	21.9	9.4	3.1	.4	.2	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.2	3.1	2.4	.7	.3	.0	.0	.0			9.6	9.7
NNE	.6	1.0	1.1	.4	.0							3.1	6.9
NE	.3	.7	.7	.1								1.8	6.3
ENE	.5	1.0	.6	.1	.0							2.2	5.8
E	.5	1.4	.7	.3		.0						2.9	6.2
ESE	.4	1.0	1.0	.3	.0							2.7	6.9
SE	.5	1.4	1.8	.8	.0							4.6	7.6
SSE	.9	2.2	3.3	3.1	.7	.1						10.3	9.4
S	1.4	2.9	2.7	3.0	.5	.1						10.7	8.7
SSW	.7	.7	.3	.1	.1							1.9	5.3
SW	.9	.6	.2	.1	.0							1.8	4.4
WSW	1.5	1.0	.3	.1	.0	.0	.0					3.0	4.4
W	3.1	2.0	.2	.1	.0	.0						5.5	3.8
WNW	1.6	1.7	.5	.3	.2	.0						4.4	5.7
NW	.5	2.2	2.0	1.9	1.2	.5	.2					8.5	11.2
NNW	.5	2.0	3.8	4.4	2.4	1.2	.3	.1	.0	.0		14.7	13.0
VARBL													
CALM												12.3	
	14.9	24.0	22.2	17.8	5.8	2.3	.5	.1	.0	.0		100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.2	2.6	1.9	.5							6.6	9.8
NNE			.2									.2	10.0
NE	.1											.1	3.0
ENE	.1	.1										.2	4.5
E	.2	.4	.1									.8	4.7
ESE	.3											.3	1.7
SE	.4	.3	1.0	.1								1.8	6.1
SSE	.5	1.0	2.6	2.0	.3							6.5	9.4
S	1.7	3.0	2.0	1.4	.4	.2						8.8	7.5
SSW	1.1	1.3	.4									2.8	4.5
SW	1.3	1.6	.2									3.1	4.0
WSW	2.3	1.4	.3									4.0	3.7
W	6.0	5.1	1.2	.2	.1							12.6	4.1
WNW	3.9	3.5	.8	.3	.1	.2						8.8	4.9
NW	.6	3.0	3.1	1.9	.8	1.3	.2					11.0	10.9
NNW	1.2	1.3	3.4	6.2	1.6	.8	.1					14.6	11.8
VARBL													
CALM												17.8	
	20.1	23.2	18.0	14.2	3.9	2.5	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.9	3.3	1.4	.3							7.5	8.6
NNE	.6	.3	.1									1.1	3.9
NE		.3	.1									.4	6.3
ENE	.2	.2										.4	3.5
E	.1	.2	.1									.4	5.5
ESE	.1		.2									.3	6.0
SE	.6	.4	1.2	.3								2.6	7.0
SSE	.5	.6	1.3	1.3	.2							4.0	9.2
S	1.2	2.8	1.9	1.7	.5							8.2	8.0
SSW	1.2	1.0	.2									2.4	4.1
SW	1.1	.9	.1	.1								2.2	4.1
WSW	2.9	1.4	.1	.3								4.7	3.7
W	6.5	5.3	1.0	.2								12.9	3.7
WNW	3.9	3.2	1.6	.5		.3						9.6	5.4
NW	1.6	2.4	2.6	2.6	.9	.5	.4	.1				11.1	10.6
NNW	.5	2.3	3.4	5.5	2.0	1.0	.3					15.1	12.6
VARBL													
CALM												17.1	
	21.6	23.3	17.3	14.0	4.0	1.8	.8	.1				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.5	2.0	1.6	.3							6.2	8.9
NNE	.1	.3	.9	.2								1.5	7.9
NE		.1										.1	5.0
ENE		.1	.2									.3	6.7
E		.2										.2	5.0
ESE	.2	.1	.1	.1								.5	6.0
SE	.1	.1	.3	.3								.9	8.9
SSE	.6	1.9	1.2	1.2	.3							5.3	8.1
S	2.0	2.6	2.6	1.5	.4							9.1	7.4
SSW	1.0	.4	.2	.1								1.7	4.1
SW	2.0	1.3	.1	.1								3.5	3.5
WSW	2.8	1.6	.2	.1								4.7	3.6
W	5.1	5.5	1.7				.1					12.4	4.4
WNW	2.7	2.5	1.0		.1			.1				6.3	4.9
NW	1.3	2.7	3.5	3.3	1.0	1.2	.3	.1				13.4	11.2
NNW	1.0	1.9	3.0	5.1	2.7	2.5	.1					16.2	13.4
VARBL													
CALM												17.4	
	19.7	22.9	17.1	13.7	4.8	3.7	.5	.2				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.2	4.6	4.3	.4	.3						13.1	9.7
NNE	.9	1.7	1.2	.3								4.1	5.9
NE	.2	.4										.6	3.3
ENE	.1	.4	.2	.2								1.0	6.8
E	.5	.2	.1									.9	3.6
ESE	.2	.9										1.1	4.5
SE	1.0	1.2	.8	.5	.1							3.5	6.7
SSE	1.1	1.7	2.9	2.9	1.0	.1						9.7	9.9
S	2.5	3.7	3.4	3.0	1.4	1.0						14.9	9.6
SSW	1.1	.9	.2	.2		.2						2.6	6.2
SW	1.2	.3	.4	.1	.1							2.2	5.7
WSW	.9	.9	.2		.1							2.0	4.6
W	.9	.5	.5	.3								2.3	5.8
WNW	.3	.3	.2	.8	.3		.3					2.3	13.2
NW	.2	.6	1.2	3.8	1.8	2.3	1.0					10.9	16.7
NNW	.6	1.5	2.5	6.6	5.7	3.0	.8	.3				21.0	16.1
VARBL		.1										.1	5.0
CALM												7.8	
	12.9	17.5	18.5	23.0		6.9	2.0	.3				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AA 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.2	5.5	8.2	1.1	.1	.1					18.4	10.7
NNE	.8	.9	.9	.3								2.8	6.1
NE	.6	1.3	.8									2.7	5.2
ENE	.5	.6	.1									1.3	3.5
E	.5	.9	.6									2.0	5.2
ESE	.9	.8	1.0	.1								2.7	5.8
SE	.3	1.8	2.7	1.3	.3							6.5	8.5
SSE	.6	3.1	4.1	4.9	1.7	.1						14.6	10.6
S	.9	1.6	1.0	2.8	2.3	.8						9.2	12.4
SSW		.1	.1	.2								.4	9.5
SW	.2		.3	.3								.9	10.0
WSW	.1	.1	.1	.5	.1							1.0	11.8
W	.2	.2		.6								1.1	9.4
WNW		.1	.3	.4	.4	.2						1.5	15.6
NW	.1	.4	.9	2.9	2.4	1.7	1.2	.1				9.7	18.4
NNW	.4	1.4	3.3	6.5	6.0	2.3	1.8	.4				22.2	16.5
VARBL													
CALM												3.2	
	7.4	15.5	21.6	29.1	14.3	5.2	3.1	.5				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.6	6.1	7.2	1.7	.1						18.8	10.5
NNE	.6	1.4	1.0	.3	.1							3.4	6.8
NE	.4	1.5	.8	.2								2.9	6.1
ENE	.9	1.1	.1	.1								2.2	4.7
E	1.2	1.7	.8	.2								3.9	5.1
ESE	.8	1.5	1.1	.3								3.7	6.1
SE	.8	2.2	3.0	2.2	.1							8.2	8.4
SSE	1.2	2.8	3.4	3.2	.5	.1						11.3	9.1
S	.9	1.1	1.1	2.2	1.1	.3						6.6	10.9
SSW	.2	.6	.5		.1							1.5	7.0
SW	.1	.3	.1	.2	.1							.9	9.5
WSW	.2	.2	.1									.5	4.8
W	.2	.6	1.0	.3		.1						2.3	8.1
WNW	.2	.2	.3	1.0	.4							2.2	12.8
NW	.2	.9	1.6	1.1	1.3	1.9	.5	.1				7.6	16.0
NNW	.4	1.5	3.0	7.4	3.5	2.4	.5					18.8	14.8
VARBL													
CALM												5.4	
	9.4	20.2	24.0	25.9	9.0	4.9	1.1	.1				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	2.3	2.0	.5	.2						8.3	9.1
NNE	.6	.9	.5	.1								2.2	5.1
NE	.6	1.3	.6									2.6	5.3
ENE	.3	1.1	.2	.1		.1						1.8	6.4
E	.3	1.1	.4		.1							1.9	5.5
ESE	.3	.8	.6	1.0								2.7	8.2
SE	.4	1.8	1.5	.9	.2							4.8	7.7
SSE	1.0	2.5	1.7	.9	.2							6.2	6.9
S	1.4	4.0	2.2	.3		.1						8.0	5.8
SSW	.3	1.2	.5	.1								2.2	5.7
SW	1.1	.8	.2	.1								2.2	4.2
WSW	1.0	.6										1.6	3.0
W	2.8	2.3	.4	.2								5.7	4.1
WNW	1.6	3.0	.5	.3		.1						5.6	5.4
NW	.8	2.8	3.5	1.9	.9	1.2						11.1	10.6
NNW	.4	3.7	4.9	2.6	2.2	1.2	.8	.1				15.8	12.1
VARBL													
CALM												17.4	
	14.1	29.8	20.3	10.5	4.1	2.9	.8	.1				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	1.8	2.3	.5	.2	.1					7.0	10.7
NNE	.2	.3	.1	.1								.8	6.1
NE		.4		.1								.5	6.8
ENE	.2	.1	.1									.4	4.0
E	.3	.2	.2									.8	4.7
ESE		.3	.1									.4	6.3
SE	.5	.6	.8	.1								2.0	6.3
SSE	.8	2.3	2.4	1.9	.1							7.4	7.9
S	2.0	2.8	3.8	.4	.4							9.5	6.7
SSW	.4	2.4	.2									3.0	4.9
SW	1.7	1.2	.2									3.1	3.3
WSW	3.0	1.2										4.2	2.9
W	5.2	3.2		.2								8.6	3.5
WNW	2.9	2.3	.4	.5	.1	.2						6.5	5.7
NW	1.5	3.0	3.1	1.7	.6	1.0	.3					11.3	9.9
NNW	.6	1.9	3.4	5.6	1.5	.9	.2					14.2	11.9
VARBL													
CALM												20.3	
	19.9	23.9	16.7	13.0	3.3	2.3	.6					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.9	3.5	3.6	.7	.1	.0					10.7	10.0
NNE	.5	.7	.6	.2	.							2.0	6.2
NE	.3	.7	.3	.0								1.3	5.5
ENE	.3	.5	.1	.1		.0						1.0	5.1
E	.4	.6	.3	.0	.0							1.4	5.0
ESE	.3	.5	.4	.2								1.5	6.2
SE	.5	1.1	1.4	.7	.1							3.8	7.7
SSE	.8	2.0	2.4	2.3	.6	.0						8.1	9.2
S	1.6	2.7	2.2	1.7	.8	.3						9.3	8.6
SSW	.7	1.0	.3	.1	.0	.0						2.1	5.2
SW	1.1	.8	.2	.1	.0							2.2	4.5
WSW	1.6	.9	.1	.1	.0							2.8	3.9
W	3.3	2.8	.7	.3	.0	.0	.0					7.2	4.3
WNW	1.9	1.9	.6	.5	.2	.1	.0	.0				5.3	6.4
NW	.8	2.0	2.4	2.4	1.2	1.4	.5	.1				10.8	12.8
NNW	.7	1.9	3.4	5.7	3.2	1.7	.6	.1				17.2	13.9
VARBL		.0										.0	5.0
CALM												13.3	
	15.6	22.0	19.2	17.9	6.8	3.8	1.2	.2				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 7439

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.4	.9	2.2	.9	.1	.1					6.3	10.9
NNE	.4	.7	.4	.1								1.7	5.9
NE	.3	.9	.1									1.3	4.4
ENE	.3	.2	.1	.1								.8	5.1
E	.6	.3	.1									1.0	3.9
ESE	.2	.4	.1									.8	4.6
SE	.2	.7	.4	.2								1.6	6.9
SSE	1.7	1.4	1.3	.7								5.1	5.9
S	1.3	2.1	1.3	.3	.4	.1						5.7	6.9
SSW	.7	.7	.2	.1		.1						1.8	6.1
SW	.8	.9										1.7	3.7
WSW	2.0	2.0	.1									4.1	3.7
W	7.0	5.1	1.6	.4	.1							14.2	4.2
WNW	4.2	3.6	1.6									9.3	4.3
NW	1.7	3.2	2.9	3.1	1.3	1.0	.8	.2				14.2	11.6
NNW	.4	1.8	2.8	2.4	1.7	1.2	.2	.1				10.7	13.3
VARBL													
CALM												19.8	
	22.6	25.4	14.0	9.8	4.4	2.6	1.1	.3				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.9	2.4	2.4	.6	.3	.1					8.7	10.0
NNE		.7	.3									1.0	6.4
NE		.3	.2									.6	5.4
ENE	.6	.1	.2									.9	3.9
E	.4	.1	.4									1.0	5.2
ESE	.3	.7	.3									1.3	5.3
SE	.2	.7	.3									1.2	5.2
SSE	.2	1.0	1.2	.8								3.2	7.6
S	.3	1.6	2.0	.7	.2	.3						5.1	9.2
SSW	1.1	1.2	.3									2.7	4.2
SW	1.0	.4										1.4	3.1
WSW	1.6	2.0	.1									3.7	3.6
W	5.0	5.6	.8	.2								11.6	3.9
WNW	4.0	3.0	1.0	.2	.6	.1						8.9	5.4
NW	2.1	3.7	3.1	3.3	1.8	.7	1.0	.3				16.0	11.5
NNW	1.0	2.2	4.1	2.4	1.0	1.4	.3					12.6	11.6
VARBL													
CALM												20.2	
	18.8	25.1	17.0	10.1	4.1	2.9	1.4	.3				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.4	1.8	2.7	1.0	.1	.1					8.9	10.3
NNE	.4	.3	.2	.2								1.2	5.7
NE	.3	.3	.4									1.1	5.0
ENE	.2	.2										.4	3.8
E	.4	.2										.7	3.5
ESE	.2	.3	.2									.8	5.1
SE	.2	.8	.8	.3								2.1	7.2
SSE	.9	1.4	1.1	1.2	.3	.1						5.1	8.5
S	.3	1.2	1.2	.2	.1	.2						3.3	8.3
SSW	.2	.2										.4	3.3
SW	1.0	.2	.1	.1	.1							1.6	4.7
WSW	2.1	1.6	.2	.1								4.0	3.8
W	6.9	6.0	.8	.2								13.9	3.7
WNW	2.9	2.9	1.1	.6	.1							7.6	5.1
NW	2.1	2.7	3.3	2.1	1.0	1.6	.9	.2				13.9	11.9
NNW	.2	3.0	2.8	3.4	2.1	.2	.1					11.9	11.5
VARBL													
CALM												23.1	
	19.3	23.9	14.1	11.2	4.8	2.2	1.1	.2				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.1	2.4	3.7	.9							10.6	9.6
NNE	.2	1.1	.3									1.7	4.9
NE	.7	.4										1.1	3.1
ENE	.4	.4	.1	.1								1.1	4.9
E	.4	.7										1.1	3.7
ESE	.2	.2	.3									.8	5.9
SE	.9	.4	1.0	.6								2.9	7.3
SSE	1.6	1.7	2.4	2.0	.2	.4						8.3	9.0
S	2.4	1.8	2.0	1.3	.6							8.1	7.4
SSW	2.0	1.0	.1	.1								3.2	3.7
SW	1.0	1.8	.2									3.0	3.9
WSW	1.9	2.3		.3								4.6	4.2
W	1.6	2.0	.7	.2								4.4	5.0
WNW	1.3	.6	.7	.7	.4							3.7	8.0
NW	1.0	1.9	2.3	3.3	3.2	1.3	.8	.3	.1			14.3	14.8
NNW	1.1	1.8	3.1	5.7	2.8	1.0	.4					15.9	13.2
VARBL													
CALM												15.2	
	19.2	20.2	15.8	18.0	8.1	2.8	1.2	.3	.1			100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	4.0	5.2	4.8	1.1	.4						16.8	9.7
NNE	.9	1.1	.6	.7								3.2	6.5
NE	.7	.8	.3									1.8	4.6
ENE	.8	.6	.3									1.7	4.1
E	.7	1.2	.6									2.4	4.6
ESE	.9	.3	.3	.1								1.7	4.9
SE	1.4	2.0	2.4	1.4	.1							7.4	7.2
SSE	1.4	2.3	2.7	3.2	.8	.1						10.6	8.9
S	1.2	3.1	3.3	1.9	.6	.4						10.6	8.8
SSW	.2	.3		.3								.9	8.4
SW	.7	.4		.2								1.3	5.3
WSW	.1	.1		.3								.6	9.6
W	.4	.2										.7	3.0
WNW	.1	.3	.1	.4	.6							1.6	12.1
NW	.3	.9	1.6	3.9	2.2	1.7	.9	.3				11.8	16.6
NNW	.4	1.6	4.8	7.0	4.7	1.4	.6					20.4	14.2
VARBL													
CALM												6.7	
	11.6	19.3	22.2	24.3	10.0	4.1	1.4	.3				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	3.0	6.1	3.2	1.2		.1					15.3	9.3
NNE	.9	1.0	1.3	.3								3.6	6.3
NE	1.0	1.0	.3	.2								2.6	4.7
ENE	.8	.8	.2									1.8	4.4
E	1.1	1.3	.9									3.2	4.9
ESE	1.2	1.7	.7	.1								3.7	4.8
SE	1.6	2.3	3.2	.6	.2							7.9	6.8
SSE	1.1	2.1	4.4	1.9	.1							9.7	8.0
S	1.3	1.7	1.4	1.3		.1						5.9	7.5
SSW	.6	.6	.2	.2								1.6	5.1
SW	.9		.1									1.0	2.8
WSW	.3		.2									.6	4.8
W	1.0	.4	.3	.6								2.3	6.3
WNW	.6	.4	.3	.6	.3							2.2	8.6
NW	.6	1.6	2.3	2.7	1.9	1.0	.4	.4				10.9	14.2
NNW	.7	1.2	3.2	5.9	2.8	1.7	.3					15.8	14.0
VARBL													
CALM												12.1	
	15.2	19.1	25.3	17.6	6.6	2.8	.9	.4				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	2.7	1.6	.3	.1						7.3	8.8
NNE	.2	1.3	.7	.3	.1							2.7	6.8
NE		.4	.3	.1								.9	6.6
ENE	.2	.3	.7									1.2	6.1
E	.7	.6	.1									1.3	3.6
ESE	.7	.7	.4									1.8	5.1
SE	1.3	1.4	.6	.3								3.7	5.0
SSE	.6	2.3	1.8	.9	.2							5.8	7.5
S	1.9	2.9	2.0	.8	.1							7.7	6.4
SSW	2.0	.3	.1									2.4	2.9
SW	1.7	.7	.1									2.4	3.3
WSW	1.7	1.3	.3	.2								3.6	4.2
W	3.1	3.3	.8	.2	.2							7.7	4.7
WNW	2.0	2.4	.3	.7								5.4	5.0
NW	1.7	1.6	2.6	1.7	1.0	.9	.6	.1	.3			10.3	12.7
NNW	1.0	2.6	3.3	4.4	2.6	1.2	.4	.1				15.7	12.7
VARBL													
CALM												20.1	
	19.7	23.9	16.8	11.2	4.6	2.2	1.0	.2	.3			100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.4	1.6	1.7	.4	.1						5.8	9.5
NNE	.4	.8	.6	.6		.1						2.4	7.8
NE	.2	.2	.1	.1								.7	5.7
ENE	.2	.4		.1								.8	5.4
E	.6	.1	.3									1.0	4.3
ESE	.3	.6	.2	.1								1.2	5.4
SE	.8	1.4	.8									3.0	5.5
SSE	1.4	1.7	2.0	.4								5.6	6.2
S	1.6	3.4	2.0	1.0	.1							8.1	6.6
SSW	1.0	.8	.1	.1	.1							2.1	4.8
SW	1.6	.7			.1							2.3	3.8
WSW	1.9	2.2	.2	.2			.1					4.7	4.8
W	5.8	5.8	.3									11.9	3.6
WNW	2.3	2.7	1.3	.4								6.8	5.3
NW	1.2	2.1	3.1	2.8	.9	1.6	.3	.1	.2			12.3	12.5
NNW	.8	2.2	3.1	3.4	2.0	1.0	.3					12.9	12.3
VARBL													
CALM												18.4	
	20.7	26.6	15.8	11.0	3.7	2.8	.8	.1	.2			100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

ALL (HOURS (L.S.T.))

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.2	2.9	2.8	.8	.2	.1					10.0	9.7
NNE	.4	.9	.6	.3	*	.0						2.2	6.4
NE	.4	.6	.2	.1								1.2	4.8
ENE	.4	.4	.2	.0								1.1	4.7
E	.6	.6	.3									1.5	4.4
ESE	.5	.6	.3	.0								1.5	5.0
SE	.8	1.2	1.2	.4	.0							3.7	6.6
SSE	1.1	1.7	2.1	1.4	.2	.1						6.7	7.9
S	1.3	2.2	1.9	.9	.3	.2						6.8	7.6
SSW	1.0	.6	.1	.1	.0	.0						1.9	4.5
SW	1.1	.6	.1	.0	.0							1.8	3.8
WSW	1.4	1.4	.2	.2			.0					3.2	4.2
W	3.8	3.6	.7	.2	.0							8.3	4.1
WNW	2.2	2.0	.8	.4	.2	.0						5.7	5.7
NW	1.3	2.2	2.7	2.9	1.7	1.2	.7	.3	.1			13.0	13.1
NNW	.7	2.0	3.4	4.3	2.4	1.2	.3	.0				14.5	13.0
VARBL													
CALM												17.0	
	18.2	22.9	17.6	14.2	5.8	2.8	1.1	.3	.1			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 7200

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSHORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.2	2.6	3.1	1.1	.1		.2				8.5	11.9
NNE	.2	.4	.9									1.5	6.9
NE	.4	.2	.3									1.0	4.7
ENE	.4	.3										.8	3.3
E	.8	.9	.3									1.9	4.6
ESE	.4	.8	.1									1.3	4.0
SE	.3	.9	.3	1.0								2.5	8.2
SSE	.6	.9	1.1	1.2								3.8	8.0
S	1.8	1.6	1.2	.5	.1							5.3	6.0
SSW	.8	.5	.1									1.4	3.9
SW	1.2	.9	.1									2.2	3.5
WSW	2.0	2.6	.3									5.0	3.9
W	5.4	6.0	1.3	.3								13.0	4.3
WNW	3.3	2.5	1.1	.6	.2	.3						8.1	5.9
NW	1.2	1.5	2.2	2.2	1.6	1.9	.5	.1				11.2	13.7
NNW	.6	2.6	3.8	4.1	2.0	1.6	1.0	.2				15.9	13.5
VARBL													
CALM												16.8	
	19.8	23.7	15.6	13.0	5.1	4.0	1.5	.5				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.0	2.4	2.6	.8	.3	.1					8.7	10.5
NNE	.5	.5	.5	.3								1.9	6.5
NE	.3	.2										.5	3.4
ENE	.2	.2										.4	3.8
E	.2	.8										1.0	3.8
ESE	.5	1.0	.2									1.7	4.0
SE	.6	.3	.2	.1								1.3	4.9
SSE	.5	1.1	1.3	.9								3.8	8.0
S	1.0	1.5	1.3	.4	.2							4.4	6.9
SSW	1.6	.5	.1									2.3	3.0
SW	1.1	1.6	.3	.1								3.1	4.5
WSW	1.6	2.4	.5									4.5	4.2
W	5.4	4.1	1.8	.1								11.4	4.3
WNW	3.3	3.4	.5	.5	.5	.1						8.5	5.6
NW	1.3	2.4	1.8	2.6	1.7	1.2	.8	.1				11.8	12.9
NNW	1.2	1.4	3.5	3.9	3.1	2.3	1.1	.3				16.8	15.0
VARBL													
CALM												17.8	
	20.0	23.4	14.6	11.5	6.3	3.9	1.9	.4				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.9	2.3	3.5	1.0	.9						10.6	11.2
NNE		.8	.2	.1								1.1	6.4
NE	.1	.5										.6	3.8
ENE	.3	.4	.1									.9	4.3
E	.1	.3										.4	4.0
ESE	.4	.3		.1								.9	3.9
SE	.8	.5	.5	.2								2.0	5.4
SSE	.5	.9	.9	.1	.2	.1						2.7	7.8
S	.9	1.1	1.1	.3	.3	.1						3.8	7.4
SSW	.6	.6	.3									1.6	4.1
SW	1.1	1.7	.2									3.0	4.2
WSW	2.9	2.5	.4									5.8	3.9
W	5.3	3.9	1.0									10.1	3.7
WNW	3.2	2.4	1.1	1.5	.1	.1						8.4	6.2
NW	2.2	2.2	1.3	1.5	2.2	1.6	.3					11.2	12.0
NNW	.8	2.4	3.3	3.5	3.9	2.0	.8	.5				17.2	15.1
VARBL													
CALM												19.7	
	20.2	22.4	12.7	11.0	7.6	4.8	1.1	.5				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	2.0	4.1	1.8	.9	.3					11.6	12.5
NNE	.4	.3	.4									1.2	5.9
NE	.4	.5	.5									1.5	5.3
ENE	.1	.1										.2	3.5
E	.3	.2										.5	3.6
ESE	.4	.5	.4									1.4	5.5
SE	.4	1.1	.6	.3	.1	.1						2.7	7.6
SSE	1.3	1.5	1.1	.6	.2		.1					4.8	7.5
S	2.3	2.4	1.8	1.0	.1	.2						7.7	6.6
SSW	1.7	1.4	.3	.1		.1						3.7	4.5
SW	1.3	1.0	.5									2.8	4.4
WSW	2.5	1.6	.8									4.8	4.1
W	2.6	1.6	.9									5.1	4.0
WNW	.9	1.4	.9	.9	.3	.5						4.8	9.7
NW	.8	1.8	1.4	1.8	1.7	2.4	1.3	.4				11.6	16.3
NNW	.9	1.6	2.4	4.5	3.3	3.1	.9	.1				16.8	15.5
VARBL													
CALM												18.7	
	17.2	18.6	14.1	13.3	7.6	7.3	2.6	.5				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	2.7	3.2	5.7	2.3	.5	.1					16.1	11.1
NNE	.5	1.3	1.3	.4	.1							3.7	7.4
NE	.5	.9	.2									1.6	4.8
ENE	.6	.4	.2									1.3	4.1
E	.8	.6	.2									1.6	4.1
ESE	.5	.8	.4									1.7	5.1
SE	.2	1.2	1.5	.5	.1							3.5	7.7
SSE	1.1	2.4	3.3	2.3	.5	.1						9.7	8.8
S	4.1	3.0	3.7	1.2	.1	.1	.1					12.3	6.3
SSW	.4	1.0										1.4	4.2
SW	.4	.5	.3	.1								1.4	5.4
WSW	.2		.2	.2								.6	7.8
W	.8	.3	.4	.3								1.8	5.7
WNW	.3	.4	.6	1.2	.4	.2						3.2	11.5
NW	.1	.8	1.4	1.7	3.1	3.1	1.3	.2				11.7	19.0
NNW	.4	1.9	2.7	6.0	1.5	3.3	1.7	.2				17.8	15.9
VARBL													
CALM												10.4	
	12.7	18.2	19.8	19.7	8.2	7.4	3.2	.4				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.2	5.7	5.3	1.2	.5						16.0	10.4
NNE	.6	.6	1.2	.3	.1							2.9	6.9
NE	.4	.5		.2								1.2	5.4
ENE	.2	.1	.8									1.1	6.6
E	.8	.9	.8									2.4	5.2
ESE	.5	.8	.1									1.4	4.0
SE	1.4	2.0	1.2	.4	.4							5.5	6.8
SSE	2.2	3.0	1.3	.5	.5							7.5	6.1
S	2.2	2.9	1.6	.8	.2	.2						7.9	6.5
SSW	1.1	.8	.3									2.2	3.9
SW	.4	.4										.9	3.6
WSW	.4	.6	.1	.3		.1						1.6	7.6
W	1.3	1.1	.6	.5	.2	.1						3.9	6.9
WNW	.5	1.1	1.0	.3		.2						3.1	7.7
NW	.9	1.4	1.8	2.9	1.7	1.7	.5	.1				11.1	14.3
NNW	.5	2.2	3.2	2.9	3.9	1.8	.8					15.3	14.5
VARBL													
CALM												16.1	
	14.6	20.6	19.7	14.5	8.3	4.7	1.3	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625	ELLSWORTH AFB SD	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.3	2.3	3.0	.6	.4						8.4	10.6
NNE	.1	.3	.4	.2								1.1	8.4
NE	.1	.9	.4									1.4	6.1
ENE	.3	.6	.2									1.2	4.5
E	.4	.6	.4									1.5	5.0
ESE	.4	.6	.2	.1								1.4	5.1
SE	.6	.6	.5	.3	.1							2.3	7.0
SSE	1.5	1.8	.6	.4	.4							4.9	6.3
S	1.4	2.2	1.9	.4	.3							6.3	6.6
SSW	.8	.4	.3									1.5	4.3
SW	1.0	.8	.2	.1								2.1	4.5
WSW	2.3	1.7	.4	.2		.1						4.8	4.5
W	4.2	4.3	1.1	.1	.1	.1						9.9	4.5
WNW	2.6	1.9	1.3	.5	.1	.2						6.7	5.6
NW	1.6	2.5	1.9	2.3	1.4	1.1	.3					11.1	11.2
NNW	.6	1.9	2.7	4.8	2.5	2.1	.9					15.4	14.3
VARBL													
CALM												20.1	
	18.8	22.7	15.1	12.5	5.6	4.0	1.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 926

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.4	3.1	3.2	1.4	.6	.1					10.1	12.0
NNE	.1	.2	.3	.1								.8	7.4
NE		.4	.3									.8	5.7
ENE	.2		.3									.5	5.2
E	.4	.5	.8									1.7	5.1
ESE		.8	.3									1.1	5.7
SE	.5	.6	1.0	1.0								3.1	8.2
SSE	.8	1.1	.6	1.0								3.5	7.3
S	1.1	2.2	1.9	.8	.3							6.3	6.8
SSW	.6	.8	.1	.1								1.6	4.4
SW	1.2	1.1	.6									2.9	4.5
WSW	2.9	2.0	.1	.3								5.4	4.1
W	4.6	5.0	1.1	.4								11.1	4.3
WNW	2.6	4.0	1.3	1.0	.1	.1						9.1	5.6
NW	1.3	1.5	1.8	1.4	1.4	1.1	.5					9.1	12.8
NNW	1.0	1.9	3.5	4.4	2.5	1.9	.5					15.7	13.6
VARBL													
CALM												17.3	
	17.6	23.5	17.3	13.7	5.7	3.8	1.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 927

USAFETAC FORM AUG 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.8	2.9	3.8	1.3	.5	.1	.0				11.3	11.2
NNE	.3	.6	.7	.2	.0							1.8	7.0
NE	.3	.5	.2	.0								1.1	5.1
ENE	.3	.3	.2									.8	4.6
E	.5	.6	.3									1.4	4.6
ESE	.4	.7	.2	.0								1.4	4.7
SE	.6	.9	.7	.5	.1	.0						2.9	7.2
SSE	1.1	1.6	1.3	.9	.2	.0	.0					5.1	7.5
S	1.8	2.1	1.8	.7	.2	.1	.0					6.7	6.6
SSW	1.0	.8	.2	.0		.0						2.0	4.0
SW	1.0	1.0	.3	.0								2.3	4.3
WSW	1.9	1.7	.4	.1		.0						4.1	4.4
W	3.7	3.3	1.0	.2	.0	.0						8.3	4.4
WNW	2.1	2.1	1.0	.8	.2	.2						6.5	6.6
NW	1.2	1.7	1.7	2.0	1.9	1.8	.7	.1				11.1	14.1
NNW	.8	2.0	3.1	4.3	2.8	2.3	.9	.2				16.4	14.7
VARBL													
CALM												17.1	
	17.6	21.6	16.1	13.7	6.8	5.0	1.7	.3				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7431

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) ALL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.0	3.5	3.5	1.0	.3	.1	.0	.0			11.2	10.6
NNE	.4	.9	.9	.4	.0	.0						2.6	7.1
NE	.3	.7	.5	.1	.0	.0						1.6	6.0
ENE	.4	.7	.4	.1	.0	.0	.0					1.6	5.8
E	.6	1.1	.8	.3	.0	.0						2.8	6.3
ESE	.4	.8	.9	.4	.0	.0	.0					2.6	7.4
SE	.6	1.4	1.6	1.1	.2	.0	.0					4.9	8.2
SSE	.9	2.0	2.6	2.4	.6	.1	.0					8.7	9.3
S	1.4	2.6	2.4	1.9	.6	.2	.0	.0				9.2	8.6
SSW	.8	.8	.3	.1	.0	.0	.0					2.1	5.1
SW	.9	.8	.2	.1	.0	.0						2.1	4.7
WSW	1.4	1.2	.3	.2	.0	.0	.0					3.1	4.8
W	2.7	2.5	.7	.3	.1	.0	.0	.0				6.2	4.6
WNW	1.5	1.6	.6	.4	.2	.1	.0	.0				4.6	6.6
NW	.8	1.8	1.8	1.9	1.3	1.1	.5	.1	.0			9.4	13.1
NNW	.6	1.7	3.1	4.5	2.7	1.6	.5	.2	.0	.0		14.9	14.1
VARBL		.0										.0	5.0
CALM												12.3	
	14.7	22.7	20.8	17.7	6.8	3.6	1.1	.3	.0	.0		100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 87623

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) ALL (HOURS (L.S.T.))

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

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	3.1	6.8	7.6	2.7	1.0	.3	.1				22.4	11.9
NNE	.5	1.8	2.7	1.3	.1							6.4	8.0
NE	.4	1.4	1.5	.4								3.7	6.9
ENE	.4	1.1	1.0	.4	.1	.0						2.9	7.1
E	.6	1.8	2.0	.9	.2							5.6	7.8
ESE	.6	1.0	2.1	1.0	.2	.0	.0					5.0	8.5
SE	.5	1.8	2.8	2.3	.4	.0	.0					7.9	9.4
SSE	.6	1.4	2.5	3.2	.9	.2						8.8	10.5
S	.7	1.1	1.2	1.0	.4	.3	.0	.0				4.8	10.0
SSW	.2	.2	.1	.0								.5	4.5
SW	.2	.0	.0	.0								.3	3.9
WSW	.1	.1	.0									.3	3.5
W	.2	.2	.0									.4	3.8
WNW	.2	.2	.1	.1		.0	.0					.7	8.5
NW	.3	.6	.7	.8	.8	1.8	1.0	.3	.0			6.4	19.2
NNW	.5	1.3	3.1	5.0	4.1	3.4	1.2	.3	.0			18.8	16.5
VARBL													
CALM												5.3	
	7.0	17.0	26.6	23.9	9.9	6.7	2.7	.7	.0			100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 6306

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ⅞	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.0

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

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

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

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

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

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	64.0	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4
≥ 20000	68.3	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0	70.0
≥ 18000	68.3	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0	70.0
≥ 16000	68.3	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0	70.0
≥ 14000	69.4	70.5	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1	71.1	71.1
≥ 12000	70.3	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.2	72.2	72.2
≥ 10000	73.8	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.6
≥ 9000	74.4	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.2	76.2
≥ 8000	75.5	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7	77.7	77.7
≥ 7000	77.2	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.6
≥ 6000	79.0	80.9	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5
≥ 5000	80.4	82.3	82.5	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4
≥ 4500	80.5	82.5	82.7	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8	83.8	83.8
≥ 4000	81.4	83.4	84.1	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.5	85.5	85.5
≥ 3500	81.9	84.2	84.9	85.6	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.6	86.6	86.6
≥ 3000	82.9	85.2	85.9	86.6	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.5	87.5	87.7	87.7	87.7
≥ 2500	83.7	86.0	86.9	87.5	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.6	88.6	88.8	88.8	88.8
≥ 2000	84.4	87.3	88.2	88.8	89.8	89.8	89.8	89.9	89.9	90.1	90.1	90.2	90.2	90.4	90.4	90.4
≥ 1800	84.7	87.6	88.7	89.4	90.3	90.3	90.3	90.4	90.4	90.6	90.6	90.8	90.8	91.0	91.0	91.0
≥ 1500	85.1	88.1	89.1	89.8	90.8	90.8	90.8	90.9	90.9	91.1	91.1	91.2	91.2	91.4	91.4	91.4
≥ 1200	85.6	88.6	89.7	90.3	91.3	91.4	91.4	91.5	91.5	91.7	91.7	91.8	91.8	92.0	92.0	92.0
≥ 1000	86.1	89.2	90.3	91.1	92.4	92.5	92.5	92.6	92.6	92.8	92.8	92.9	93.0	93.2	93.3	93.3
≥ 900	87.0	90.1	91.2	91.9	93.2	93.3	93.3	93.4	93.4	93.7	93.7	93.8	93.9	94.1	94.2	94.2
≥ 800	87.6	91.1	92.3	93.0	94.3	94.4	94.4	94.5	94.5	94.7	94.7	95.2	95.3	95.5	95.6	95.6
≥ 700	88.2	91.7	92.9	93.7	94.9	95.1	95.1	95.3	95.3	95.5	95.5	95.9	96.1	96.3	96.5	96.5
≥ 600	88.5	92.0	93.2	94.0	95.3	95.5	95.5	95.8	95.8	96.0	96.0	96.5	96.7	96.9	97.0	97.0
≥ 500	88.9	92.7	93.9	94.6	95.9	96.1	96.1	96.5	96.5	96.7	96.7	97.1	97.4	97.6	97.8	97.8
≥ 400	89.0	93.2	94.4	95.2	96.5	96.7	96.7	97.0	97.0	97.2	97.2	97.6	98.0	98.3	98.5	98.5
≥ 300	89.1	93.5	94.7	95.5	96.8	97.0	97.0	97.3	97.3	97.5	97.5	98.0	98.3	98.6	98.8	98.8
≥ 200	89.1	93.5	94.9	95.7	97.1	97.3	97.3	97.7	97.7	98.0	98.0	98.5	98.8	99.1	99.4	99.7
≥ 100	89.1	93.5	94.9	95.7	97.1	97.3	97.3	97.7	97.7	98.0	98.0	98.5	98.8	99.1	99.5	100.0
0	89.1	93.5	94.9	95.7	97.1	97.3	97.3	97.7	97.7	98.0	98.0	98.5	98.8	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥⅜	≥0
NO CEILING	62.2	63.0	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
≥ 20000	69.0	69.9	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
≥ 18000	69.0	69.9	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
≥ 16000	69.1	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
≥ 14000	69.8	70.6	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
≥ 12000	70.6	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
≥ 10000	73.9	74.7	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
≥ 9000	73.9	74.7	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
≥ 8000	75.1	75.9	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
≥ 7000	76.2	77.2	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
≥ 6000	78.4	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
≥ 5000	80.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500	80.8	81.9	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	81.5	82.9	83.2	83.4	83.5	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3500	82.3	83.9	84.3	84.5	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	82.9	85.2	85.7	85.9	86.2	86.2	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	84.4	86.7	87.4	87.6	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	85.2	87.7	88.6	88.8	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	85.3	87.8	88.7	88.9	89.5	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	85.6	88.3	89.1	89.5	90.0	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1200	86.6	89.4	90.2	90.6	91.2	91.3	91.6	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	88.0	90.8	91.6	92.0	92.6	92.7	93.1	93.1	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	88.3	91.2	92.0	92.5	93.0	93.1	93.5	93.5	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	88.4	91.5	92.4	92.8	93.5	93.7	94.1	94.1	94.2	94.4	94.7	94.9	94.9	94.9	94.9	94.9
≥ 700	88.9	92.0	93.0	93.4	94.2	94.3	94.8	94.9	95.1	95.3	95.6	95.8	95.9	95.9	95.9	95.9
≥ 600	89.2	92.6	93.5	94.1	94.8	94.9	95.5	95.9	96.0	96.2	96.8	97.0	97.3	97.3	97.3	97.3
≥ 500	89.5	93.0	94.0	94.5	95.3	95.4	95.9	96.3	96.5	96.7	97.2	97.4	97.7	97.7	97.7	97.7
≥ 400	89.8	93.9	94.9	95.5	96.2	96.3	96.9	97.4	97.5	97.7	98.3	98.5	98.8	98.8	98.8	98.8
≥ 300	89.8	93.9	94.9	95.5	96.2	96.3	96.9	97.4	97.5	97.8	98.4	98.6	98.9	98.9	98.9	98.9
≥ 200	89.8	93.9	95.1	95.6	96.5	96.6	97.1	97.7	97.8	98.2	98.7	99.0	99.7	99.7	99.7	99.8
≥ 100	89.8	93.9	95.1	95.6	96.5	96.6	97.1	97.7	97.8	98.2	98.7	99.0	99.8	99.8	99.8	100.0
0	89.8	93.9	95.1	95.6	96.5	96.6	97.1	97.7	97.8	98.2	98.7	99.0	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL 4) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	54.8	55.5	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	62.6	63.2	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	62.9	63.5	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1
≥ 16000	63.1	63.8	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	63.7	64.3	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000	65.3	66.0	66.3	66.3	66.5	66.7	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	71.1	71.8	72.2	72.2	72.4	72.6	72.6	72.7	72.7	72.8	72.9	72.9	73.0	73.0	73.0	73.0
≥ 9000	71.4	72.2	72.5	72.5	72.7	72.9	72.9	73.0	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3
≥ 8000	74.2	74.9	75.3	75.3	75.5	75.7	75.7	75.8	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.1
≥ 7000	75.4	76.1	76.6	76.6	76.8	77.0	77.0	77.1	77.1	77.2	77.3	77.3	77.4	77.4	77.4	77.4
≥ 6000	77.0	77.8	78.3	78.3	78.5	78.7	78.7	78.8	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.1
≥ 5000	78.8	79.7	80.3	80.3	80.5	80.8	80.8	80.9	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.2
≥ 4500	79.0	79.9	80.6	80.6	80.9	81.1	81.1	81.2	81.2	81.3	81.4	81.4	81.5	81.5	81.5	81.5
≥ 4000	80.6	82.0	82.9	83.0	83.2	83.4	83.4	83.5	83.5	83.7	83.8	83.8	83.9	83.9	83.9	83.9
≥ 3500	81.2	82.7	83.5	83.7	83.9	84.1	84.1	84.2	84.2	84.3	84.4	84.4	84.5	84.5	84.5	84.5
≥ 3000	83.1	84.9	85.8	86.2	86.8	87.0	87.1	87.2	87.2	87.3	87.4	87.4	87.5	87.5	87.5	87.5
≥ 2500	83.5	85.4	86.3	86.8	87.4	87.6	87.7	87.8	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2
≥ 2000	84.2	86.1	87.2	87.7	88.4	88.6	88.8	89.0	89.0	89.1	89.2	89.2	89.4	89.4	89.4	89.4
≥ 1800	84.2	86.1	87.2	87.7	88.4	88.6	88.9	89.1	89.1	89.2	89.4	89.4	89.5	89.5	89.5	89.5
≥ 1500	84.6	86.7	87.7	88.3	88.9	89.1	89.6	89.8	89.8	90.0	90.1	90.1	90.3	90.4	90.4	90.4
≥ 1200	85.8	88.0	89.1	89.8	90.6	90.9	91.4	91.6	91.7	91.9	92.0	92.0	92.5	92.6	92.6	92.6
≥ 1000	86.2	88.5	90.0	91.0	91.8	92.0	92.8	93.0	93.1	93.3	93.4	93.4	93.9	94.0	94.0	94.0
≥ 900	86.3	88.6	90.1	91.1	91.9	92.2	92.9	93.1	93.2	93.4	93.5	93.5	94.2	94.3	94.3	94.3
≥ 800	86.3	88.7	90.2	91.2	92.2	92.4	93.1	93.5	93.8	94.0	94.2	94.2	94.8	94.9	95.1	95.2
≥ 700	86.5	89.0	90.6	91.7	92.7	92.9	93.8	94.2	94.4	94.6	94.8	94.8	95.5	95.7	95.8	96.0
≥ 600	86.7	89.5	91.3	92.5	93.4	93.7	94.5	95.1	95.3	95.6	95.8	95.8	96.5	96.7	96.8	97.0
≥ 500	86.7	89.6	91.4	92.6	93.5	93.8	94.6	95.3	95.6	95.9	96.2	96.3	97.0	97.2	97.3	97.5
≥ 400	86.8	89.8	91.8	93.0	94.1	94.3	95.2	96.0	96.5	96.8	97.1	97.2	97.8	98.1	98.2	98.5
≥ 300	86.9	89.9	91.9	93.1	94.3	94.5	95.4	96.2	96.7	97.0	97.3	97.4	98.1	98.3	98.4	98.8
≥ 200	86.9	89.9	91.9	93.2	94.4	94.6	95.5	96.5	96.9	97.2	97.5	97.7	98.4	98.6	98.7	99.1
≥ 100	86.9	89.9	91.9	93.2	94.7	94.9	95.8	96.8	97.2	97.5	97.8	98.1	98.9	99.1	99.4	100.0
0	86.9	89.9	91.9	93.2	94.7	94.9	95.8	96.8	97.2	97.5	97.8	98.1	98.9	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	54.0	54.0	54.5	54.7	55.2	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	60.6	61.0	61.5	61.8	62.3	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000	61.1	61.4	61.9	62.3	62.7	62.8	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	61.4	61.7	62.3	62.6	63.0	63.1	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	63.2	63.5	64.1	64.4	64.8	64.9	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	66.0	66.3	67.1	67.4	68.1	68.2	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	72.7	73.1	73.9	74.2	74.8	74.9	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	73.5	74.0	74.7	75.1	75.7	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000	76.7	77.3	78.1	78.4	79.0	79.1	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	77.4	78.2	79.1	79.5	80.1	80.2	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2
≥ 6000	78.2	79.1	80.1	80.4	81.1	81.2	81.6	82.0	82.0	82.0	82.0	82.0	82.2	82.3	82.3	82.3
≥ 5000	80.1	81.1	82.0	82.4	83.0	83.1	83.5	84.0	84.0	84.0	84.0	84.0	84.1	84.2	84.2	84.2
≥ 4500	80.1	81.1	82.0	82.4	83.0	83.1	83.5	84.0	84.0	84.0	84.0	84.0	84.1	84.2	84.2	84.2
≥ 4000	81.3	82.5	83.5	83.9	84.5	84.6	85.2	85.7	85.9	85.9	85.9	85.9	86.0	86.1	86.1	86.1
≥ 3500	81.8	83.0	84.2	84.5	85.4	85.5	86.0	86.6	86.8	86.8	86.8	86.8	86.9	87.0	87.0	87.0
≥ 3000	82.5	84.0	85.4	86.1	87.1	87.2	88.2	88.7	88.9	89.0	89.0	89.0	89.1	89.2	89.2	89.2
≥ 2500	82.7	84.3	85.7	86.5	87.4	87.5	88.5	89.0	89.2	89.5	89.5	89.5	89.6	89.7	89.8	89.8
≥ 2000	82.9	84.6	86.0	86.8	87.7	87.8	88.8	89.5	89.7	89.9	89.9	89.9	90.0	90.1	90.2	90.2
≥ 1800	83.0	84.7	86.1	87.0	88.0	88.1	89.0	89.7	89.9	90.1	90.1	90.1	90.2	90.3	90.4	90.4
≥ 1500	83.2	84.9	86.3	87.2	88.2	88.4	89.5	90.1	90.3	90.5	90.5	90.6	91.2	91.3	91.4	91.4
≥ 1200	83.7	85.5	87.0	87.8	88.8	89.0	90.3	91.3	91.5	91.7	91.7	91.8	92.6	92.7	92.8	92.8
≥ 1000	83.9	85.8	87.4	88.4	89.4	89.6	91.2	92.3	92.5	92.8	92.8	92.9	93.8	93.9	94.0	94.0
≥ 900	83.9	85.8	87.4	88.4	89.4	89.6	91.2	92.3	92.5	92.8	92.8	92.9	93.8	93.9	94.0	94.0
≥ 800	83.9	85.8	87.4	88.4	89.5	89.7	91.4	92.6	93.0	93.4	93.5	93.7	94.5	94.6	94.7	95.1
≥ 700	84.0	85.9	87.5	88.5	89.6	89.8	91.6	92.8	93.2	93.8	93.9	94.0	94.8	94.9	95.1	95.5
≥ 600	84.1	86.0	87.6	88.7	89.8	90.0	92.2	93.3	94.1	94.9	95.1	95.2	96.0	96.1	96.2	96.7
≥ 500	84.1	86.0	87.7	88.9	90.0	90.2	92.4	93.7	94.4	95.4	95.7	95.8	96.7	96.8	96.9	97.3
≥ 400	84.1	86.0	87.7	88.9	90.1	90.3	92.7	94.0	94.9	96.0	96.3	96.6	97.6	97.7	97.8	98.3
≥ 300	84.1	86.0	87.7	88.9	90.1	90.3	92.8	94.2	95.2	96.5	96.8	97.0	98.2	98.3	98.4	98.9
≥ 200	84.1	86.0	87.7	88.9	90.1	90.3	92.8	94.2	95.2	96.6	96.9	97.1	98.5	98.7	98.9	99.5
≥ 100	84.1	86.0	87.7	88.9	90.1	90.3	92.8	94.2	95.2	96.6	96.9	97.1	98.5	98.7	98.9	99.7
≥ 0	84.1	86.0	87.7	88.9	90.1	90.3	92.8	94.2	95.2	96.6	96.9	97.1	98.5	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥¼	≥⅛	0
NO CEILING	55.1	55.4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	62.7	63.0	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	63.1	63.4	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000	63.2	63.5	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	65.4	65.7	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.6
≥ 12000	67.8	68.5	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7
≥ 10000	74.1	74.7	75.4	75.7	75.8	75.8	75.8	75.8	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1
≥ 9000	74.3	75.1	75.8	76.1	76.2	76.2	76.2	76.2	76.3	76.5	76.5	76.5	76.6	76.6	76.6	76.6
≥ 8000	76.6	77.4	78.2	78.7	78.8	78.8	78.8	78.8	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1
≥ 7000	78.1	79.2	80.2	81.0	81.2	81.2	81.3	81.3	81.4	81.5	81.6	81.6	81.9	81.9	81.9	81.9
≥ 6000	79.2	80.5	81.5	82.3	82.5	82.5	82.6	82.6	82.7	82.8	83.0	83.0	83.3	83.3	83.3	83.3
≥ 5000	80.1	81.4	82.5	83.3	83.5	83.5	83.8	83.8	83.9	84.0	84.2	84.2	84.5	84.5	84.5	84.5
≥ 4500	80.6	81.9	83.0	83.9	84.1	84.1	84.3	84.3	84.4	84.5	84.7	84.7	85.1	85.1	85.1	85.1
≥ 4000	81.7	83.1	84.2	85.2	85.5	85.5	85.7	85.8	85.9	86.1	86.3	86.3	86.7	86.7	86.7	86.7
≥ 3500	82.0	83.4	84.5	85.5	85.9	85.9	86.2	86.3	86.5	86.7	86.9	86.9	87.2	87.2	87.2	87.2
≥ 3000	83.2	85.1	86.1	87.2	87.6	87.7	88.3	88.4	88.5	88.7	88.9	88.9	89.2	89.2	89.2	89.2
≥ 2500	83.4	85.3	86.3	87.4	87.8	88.0	88.5	88.6	88.7	88.9	89.1	89.1	89.5	89.6	89.6	89.6
≥ 2000	83.9	85.7	86.8	88.0	88.7	88.8	89.4	89.7	89.9	90.2	90.5	90.5	90.9	91.1	91.1	91.1
≥ 1800	84.0	85.8	86.9	88.1	88.8	88.9	89.5	89.8	90.0	90.3	90.6	90.6	91.0	91.2	91.2	91.2
≥ 1500	84.8	86.7	87.7	89.0	89.9	90.0	90.6	91.0	91.2	91.5	91.8	91.9	92.4	92.6	92.6	92.6
≥ 1200	85.1	86.9	88.0	89.2	90.1	90.2	90.9	91.3	91.5	91.9	92.3	92.4	92.8	93.1	93.2	93.2
≥ 1000	85.4	87.5	88.8	90.2	91.1	91.2	91.9	92.6	92.8	93.4	93.8	93.9	94.3	94.6	94.8	94.8
≥ 900	85.4	87.5	88.8	90.2	91.1	91.2	91.9	92.7	92.9	93.5	93.9	94.0	94.4	94.7	94.9	94.9
≥ 800	85.4	87.5	88.8	90.2	91.1	91.2	91.9	92.7	93.2	93.9	94.2	94.3	94.7	95.2	95.5	95.5
≥ 700	85.4	87.5	88.8	90.2	91.1	91.2	92.0	92.8	93.3	94.3	94.8	94.9	95.4	95.8	96.1	96.1
≥ 600	85.6	87.8	89.1	90.5	91.4	91.5	92.4	93.1	93.7	94.7	95.3	95.4	95.9	96.3	96.7	96.7
≥ 500	85.7	88.0	89.2	90.6	91.5	91.6	92.7	93.4	94.2	95.5	96.0	96.1	96.9	97.3	97.7	98.2
≥ 400	85.7	88.0	89.4	90.8	91.7	91.8	92.9	93.7	94.4	95.7	96.3	96.5	97.2	97.6	98.1	98.5
≥ 300	85.7	88.0	89.4	90.8	91.7	91.8	92.9	93.7	94.4	95.7	96.3	96.5	97.4	97.8	98.4	98.9
≥ 200	85.7	88.0	89.4	90.8	91.7	91.8	92.9	93.8	94.5	95.9	96.6	96.7	97.8	98.4	99.0	99.7
≥ 100	85.7	88.0	89.4	90.8	91.7	91.8	92.9	93.8	94.5	95.9	96.6	96.7	97.8	98.4	99.0	99.8
≥ 0	85.7	88.0	89.4	90.8	91.7	91.8	92.9	93.8	94.5	95.9	96.6	96.7	97.8	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅝	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	56.9	57.4	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.1	58.1	58.1	58.2
≥ 20000	64.7	65.3	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.9	65.9	65.9	66.0
≥ 18000	64.9	65.5	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.1	66.1	66.2
≥ 16000	65.3	65.8	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.5	66.5	66.5	66.6
≥ 14000	66.5	67.1	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.8	67.8	68.0	68.0	68.0	68.1
≥ 12000	70.0	70.6	70.9	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.5	71.5	71.6	71.6	71.6	71.7
≥ 10000	76.5	77.1	77.3	77.6	77.6	77.6	77.7	77.7	77.7	78.0	78.2	78.2	78.3	78.3	78.3	78.4
≥ 9000	77.0	77.6	77.8	78.3	78.3	78.3	78.4	78.4	78.4	78.6	78.8	78.8	78.9	78.9	78.9	79.0
≥ 8000	79.2	80.0	80.4	80.9	80.9	80.9	81.0	81.1	81.1	81.3	81.5	81.5	81.6	81.6	81.6	81.7
≥ 7000	81.1	81.8	82.4	82.8	82.9	82.9	83.0	83.1	83.1	83.3	83.9	83.9	84.1	84.1	84.2	84.3
≥ 6000	81.8	82.6	83.1	83.7	83.8	83.8	83.9	84.0	84.0	84.2	84.7	84.7	84.9	84.9	85.1	85.2
≥ 5000	82.4	83.1	83.9	84.4	84.6	84.6	84.8	84.9	84.9	85.2	85.8	85.8	86.0	86.0	86.1	86.2
≥ 4500	82.6	83.3	84.1	84.6	84.8	84.8	85.1	85.2	85.2	85.4	86.0	86.0	86.2	86.2	86.3	86.5
≥ 4000	83.1	84.0	84.8	85.4	85.6	85.6	85.8	85.9	85.9	86.1	86.8	86.8	87.0	87.0	87.1	87.2
≥ 3500	83.4	84.3	85.2	85.7	85.9	85.9	86.1	86.2	86.2	86.5	87.1	87.1	87.3	87.3	87.4	87.5
≥ 3000	84.0	85.1	86.1	86.7	87.0	87.1	87.3	87.6	87.6	87.8	88.5	88.5	88.7	88.7	88.8	88.9
≥ 2500	84.5	85.6	86.7	87.3	87.6	87.7	88.0	88.3	88.3	88.5	89.1	89.1	89.4	89.4	89.5	89.6
≥ 2000	85.1	86.6	87.7	88.4	88.7	88.8	89.0	89.4	89.4	89.7	90.4	90.4	90.6	90.6	90.8	90.9
≥ 1800	85.3	86.8	88.0	88.6	88.9	89.0	89.2	89.6	89.6	89.9	90.6	90.6	90.9	90.9	91.0	91.1
≥ 1500	86.2	87.8	89.1	90.0	90.3	90.4	90.9	91.2	91.2	91.5	92.3	92.3	92.5	92.5	92.6	92.7
≥ 1200	86.5	88.1	89.5	90.4	90.8	90.9	91.3	91.6	91.7	92.2	92.9	92.9	93.1	93.1	93.3	93.5
≥ 1000	86.6	88.3	89.7	90.8	91.2	91.3	91.7	92.0	92.3	92.8	93.5	93.9	94.4	94.5	94.9	95.2
≥ 900	86.8	88.6	90.0	91.1	91.5	91.6	92.2	92.5	92.7	93.2	94.0	94.3	94.8	94.9	95.5	95.8
≥ 800	86.9	88.7	90.1	91.2	91.6	91.7	92.3	92.6	92.9	93.4	94.3	94.6	95.2	95.3	95.8	96.1
≥ 700	87.0	88.8	90.2	91.3	91.7	91.8	92.6	93.0	93.3	94.1	95.1	95.4	96.0	96.1	96.7	97.0
≥ 600	87.1	89.0	90.4	91.5	91.9	92.0	92.8	93.2	93.5	94.4	95.5	95.8	96.5	96.6	97.1	97.4
≥ 500	87.1	89.1	90.6	91.8	92.4	92.5	93.2	93.8	94.2	95.3	96.5	96.8	97.6	97.7	98.4	98.8
≥ 400	87.2	89.4	90.9	92.0	92.6	92.7	93.4	94.0	94.5	95.6	96.8	97.1	98.0	98.1	98.7	99.1
≥ 300	87.2	89.4	90.9	92.0	92.6	92.7	93.5	94.1	94.6	95.7	96.9	97.2	98.1	98.2	98.8	99.2
≥ 200	87.2	89.4	90.9	92.0	92.6	92.7	93.7	94.2	94.8	96.0	97.3	97.6	98.5	98.6	99.2	99.8
≥ 100	87.2	89.4	90.9	92.0	92.6	92.7	93.7	94.2	94.8	96.0	97.3	97.6	98.5	98.6	99.2	100.0
≥ 0	87.2	89.4	90.9	92.0	92.6	92.7	93.7	94.2	94.8	96.0	97.3	97.6	98.5	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥	0
NO CEILING	56.7	57.0	57.1	57.4	57.4	57.4	57.4	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	65.4	65.7	65.8	66.1	66.1	66.1	66.1	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	66.0	66.3	66.5	66.8	66.8	66.8	66.8	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	66.1	66.5	66.6	66.9	66.9	66.9	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	66.7	67.0	67.1	67.4	67.4	67.4	67.4	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000	69.0	69.6	69.7	70.0	70.0	70.0	70.0	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	74.2	74.7	74.8	75.2	75.2	75.2	75.2	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	74.8	75.4	75.5	75.8	75.8	75.8	75.8	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	76.8	78.0	78.1	78.5	78.5	78.5	78.5	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	78.8	80.4	80.5	81.0	81.0	81.0	81.1	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	80.4	82.0	82.2	82.6	82.6	82.6	82.7	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	81.7	83.3	83.4	83.9	83.9	83.9	84.0	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	82.0	83.9	84.0	84.4	84.4	84.4	84.5	84.8	84.9	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000	82.9	84.8	85.1	85.5	85.5	85.5	85.6	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	83.2	85.3	85.5	85.9	85.9	85.9	86.0	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	84.2	86.6	86.9	87.3	88.0	88.0	88.1	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	84.6	87.1	87.6	88.1	88.7	88.7	88.9	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	85.3	88.4	88.9	89.4	90.0	90.0	90.3	90.8	90.9	91.1	91.1	91.1	91.2	91.2	91.2
≥ 1800	85.6	88.7	89.2	89.7	90.3	90.3	90.6	91.1	91.2	91.4	91.4	91.4	91.5	91.5	91.5
≥ 1500	86.8	90.3	91.1	91.5	92.2	92.2	92.5	92.9	93.0	93.2	93.2	93.3	93.4	93.4	93.4
≥ 1200	87.3	91.0	91.7	92.4	93.1	93.1	93.4	93.9	94.0	94.2	94.2	94.3	94.5	94.5	94.5
≥ 1000	87.7	91.5	92.3	93.0	93.8	93.8	94.1	94.5	94.6	95.1	95.1	95.2	95.6	95.6	95.6
≥ 900	88.0	91.7	92.5	93.3	94.1	94.1	94.4	94.9	95.1	95.6	95.6	95.7	96.1	96.1	96.1
≥ 800	88.5	92.3	93.0	93.9	94.6	94.6	94.9	95.5	95.6	96.1	96.1	96.2	96.9	96.9	96.9
≥ 700	88.6	92.4	93.1	94.0	94.7	94.9	95.3	96.0	96.1	96.7	96.7	96.8	97.4	97.4	97.4
≥ 600	88.7	92.5	93.2	94.1	94.8	95.1	95.4	96.1	96.2	96.8	96.8	96.9	97.5	97.5	97.5
≥ 500	88.7	92.6	93.3	94.2	95.1	95.3	95.6	96.7	96.8	97.3	97.3	97.4	98.1	98.1	98.2
≥ 400	88.7	92.7	93.4	94.4	95.3	95.5	95.8	97.1	97.3	97.8	97.8	98.0	98.6	98.6	98.7
≥ 300	88.7	92.7	93.4	94.4	95.3	95.5	95.8	97.1	97.3	98.0	98.0	98.1	98.8	98.8	98.9
≥ 200	88.7	92.7	93.4	94.4	95.3	95.5	96.0	97.4	97.7	98.4	98.4	98.5	99.2	99.2	99.5
≥ 100	88.7	92.7	93.4	94.4	95.3	95.5	96.0	97.4	97.7	98.4	98.4	98.5	99.2	99.2	99.4
≥ 0	88.7	92.7	93.4	94.4	95.3	95.5	96.0	97.4	97.7	98.4	98.4	98.5	99.2	99.2	99.4 100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	62.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.7	63.7	63.7	63.8
≥ 20000	67.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	68.9	69.0
≥ 18000	67.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.1
≥ 16000	67.6	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.2
≥ 14000	68.6	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.2
≥ 12000	70.3	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.2
≥ 10000	73.5	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.3	75.4
≥ 9000	74.3	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.0	76.1
≥ 8000	75.8	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7	77.7	77.7	77.8
≥ 7000	78.1	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.2
≥ 6000	80.0	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.4
≥ 5000	81.4	83.4	83.5	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.4
≥ 4500	81.5	83.5	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.4	84.5
≥ 4000	81.9	84.2	84.4	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.5	85.5	85.5	85.6
≥ 3500	82.8	85.2	85.4	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.5	86.5	86.5	86.6
≥ 3000	84.3	86.9	87.1	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.3	88.3	88.4
≥ 2500	85.1	87.6	87.8	88.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.2	89.2	89.2	89.4
≥ 2000	85.7	88.8	89.2	89.7	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	91.2	91.2	91.2	91.3
≥ 1800	86.0	89.1	89.6	90.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.5	91.5	91.5	91.6
≥ 1500	86.6	90.0	90.4	90.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.5	92.5	92.5	92.6
≥ 1200	86.7	90.2	90.6	91.1	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.7	92.7	92.7	92.8
≥ 1000	87.1	90.6	91.2	91.6	92.8	92.8	93.2	93.2	93.2	93.7	93.7	93.7	94.0	94.0	94.0	94.3
≥ 900	87.4	91.4	92.0	92.5	93.7	93.7	94.1	94.1	94.1	94.5	94.5	94.5	94.8	94.8	94.8	95.2
≥ 800	88.0	92.2	92.8	93.2	94.4	94.4	94.8	94.8	94.8	95.3	95.3	95.3	95.6	95.6	95.6	95.9
≥ 700	88.3	92.8	93.4	93.9	95.3	95.3	95.7	95.7	95.9	96.3	96.3	96.3	96.7	96.7	96.7	97.0
≥ 600	88.4	92.9	93.5	94.0	95.5	95.5	95.9	96.0	96.2	96.7	96.7	96.7	97.0	97.0	97.0	97.3
≥ 500	88.5	93.1	93.8	94.2	95.9	95.9	96.3	96.6	96.8	97.3	97.3	97.3	97.6	97.6	97.6	98.1
≥ 400	88.6	93.3	94.0	94.4	96.5	96.5	96.9	97.1	97.3	97.8	97.8	97.8	98.2	98.2	98.3	98.7
≥ 300	88.7	93.4	94.1	94.5	96.7	96.7	97.1	97.3	97.5	98.1	98.1	98.1	98.4	98.4	98.5	98.9
≥ 200	88.7	93.5	94.3	94.7	96.9	96.9	97.4	97.6	97.8	98.4	98.4	98.4	98.9	98.9	99.0	99.8
≥ 100	88.7	93.5	94.3	94.7	96.9	96.9	97.4	97.6	97.8	98.4	98.4	98.4	98.9	98.9	99.0	100.0
0	88.7	93.5	94.3	94.7	96.9	96.9	97.4	97.6	97.8	98.4	98.4	98.4	98.9	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	58.2	58.8	59.0	59.2	59.2	59.2	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5
≥ 20000	65.1	65.8	66.0	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	65.4	66.0	66.3	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8
≥ 16000	65.5	66.2	66.4	66.6	66.7	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0
≥ 14000	66.6	67.3	67.6	67.8	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1
≥ 12000	68.7	69.5	69.8	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.5
≥ 10000	73.7	74.5	74.8	75.0	75.2	75.2	75.3	75.3	75.4	75.4	75.5	75.5	75.6	75.6	75.6	75.6
≥ 9000	74.2	75.0	75.3	75.6	75.7	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1
≥ 8000	76.2	77.3	77.6	77.9	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.5
≥ 7000	77.8	79.0	79.4	79.7	79.8	79.9	80.0	80.1	80.1	80.2	80.3	80.3	80.4	80.4	80.5	80.5
≥ 6000	79.3	80.5	81.0	81.3	81.4	81.5	81.6	81.7	81.7	81.8	81.9	81.9	82.0	82.1	82.1	82.1
≥ 5000	80.6	81.9	82.5	82.8	83.1	83.1	83.2	83.3	83.4	83.5	83.6	83.6	83.7	83.8	83.8	83.8
≥ 4500	80.9	82.3	82.8	83.2	83.4	83.4	83.6	83.7	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.1
≥ 4000	81.8	83.4	84.0	84.5	84.8	84.8	85.0	85.1	85.2	85.3	85.4	85.4	85.6	85.6	85.6	85.6
≥ 3500	82.3	84.0	84.7	85.1	85.5	85.5	85.7	85.9	85.9	86.0	86.2	86.2	86.3	86.3	86.3	86.4
≥ 3000	83.4	85.3	86.1	86.7	87.3	87.3	87.6	87.8	87.8	88.0	88.1	88.1	88.2	88.3	88.3	88.3
≥ 2500	84.0	86.0	86.9	87.4	88.1	88.1	88.4	88.6	88.6	88.8	88.9	88.9	89.0	89.1	89.1	89.2
≥ 2000	84.6	86.9	87.8	88.4	89.2	89.2	89.6	89.8	89.9	90.1	90.2	90.2	90.4	90.4	90.5	90.5
≥ 1800	84.8	87.1	88.1	88.7	89.4	89.5	89.8	90.1	90.1	90.3	90.5	90.5	90.6	90.7	90.7	90.7
≥ 1500	85.4	87.8	88.8	89.5	90.3	90.4	90.8	91.0	91.1	91.3	91.5	91.5	91.7	91.8	91.9	91.9
≥ 1200	85.9	88.4	89.5	90.2	91.0	91.1	91.6	91.7	92.0	92.2	92.4	92.4	92.7	92.8	92.9	92.9
≥ 1000	86.4	89.0	90.2	91.0	91.9	92.0	92.6	92.9	93.0	93.4	93.6	93.7	94.1	94.2	94.3	94.3
≥ 900	86.6	89.4	90.5	91.4	92.2	92.3	92.9	93.3	93.4	93.8	94.0	94.1	94.5	94.6	94.7	94.8
≥ 800	86.9	89.7	90.9	91.7	92.6	92.8	93.4	93.8	94.0	94.4	94.6	94.8	95.2	95.4	95.5	95.6
≥ 700	87.1	90.0	91.2	92.1	93.0	93.2	93.9	94.3	94.6	95.1	95.3	95.5	96.0	96.1	96.3	96.4
≥ 600	87.3	90.3	91.5	92.4	93.4	93.5	94.3	94.8	95.1	95.7	96.0	96.1	96.7	96.8	96.9	97.1
≥ 500	87.4	90.5	91.7	92.7	93.7	93.8	94.6	95.3	95.6	96.3	96.6	96.8	97.4	97.5	97.7	98.0
≥ 400	87.5	90.8	92.1	93.0	94.1	94.3	95.1	95.8	96.2	96.8	97.2	97.4	98.0	98.2	98.4	98.6
≥ 300	87.5	90.8	92.1	93.1	94.2	94.4	95.2	95.9	96.3	97.0	97.4	97.6	98.3	98.4	98.6	98.9
≥ 200	87.5	90.9	92.2	93.2	94.3	94.5	95.3	96.1	96.6	97.3	97.7	97.9	98.7	98.9	99.2	99.6
≥ 100	87.5	90.9	92.2	93.2	94.4	94.5	95.4	96.2	96.6	97.4	97.8	98.0	98.8	99.0	99.3	99.9
≥ 0	87.5	90.9	92.2	93.2	94.4	94.5	95.4	96.2	96.6	97.4	97.8	98.0	98.8	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	58.8	59.1	59.1	59.2	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.6	59.8
≥ 20000	63.6	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.4	64.5
≥ 18000	63.6	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.4	64.5
≥ 16000	63.6	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.4	64.5
≥ 14000	63.7	63.9	63.9	64.0	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.5	64.6
≥ 12000	64.9	65.1	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.7	65.8
≥ 10000	66.6	67.1	67.1	67.2	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.7	67.8
≥ 9000	66.7	67.2	67.2	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.8	67.9
≥ 8000	68.5	69.0	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.6	69.7
≥ 7000	69.5	70.1	70.1	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.7	70.8
≥ 6000	71.2	71.8	71.8	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.7	72.8
≥ 5000	72.5	73.4	73.4	73.7	73.8	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.4	74.6
≥ 4500	73.1	74.0	74.0	74.3	74.4	74.4	74.6	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.0	75.1
≥ 4000	73.8	74.7	74.7	75.1	75.3	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.9	76.0
≥ 3500	74.7	75.5	75.5	76.0	76.1	76.1	76.2	76.4	76.4	76.4	76.4	76.4	76.6	76.6	76.7	76.8
≥ 3000	76.4	77.4	77.6	78.2	78.3	78.3	78.5	78.7	78.7	78.8	78.8	78.8	78.9	78.9	79.1	79.3
≥ 2500	77.4	78.6	78.8	79.4	79.5	79.5	79.8	80.1	80.1	80.2	80.2	80.2	80.4	80.4	80.5	80.7
≥ 2000	77.6	79.4	79.6	80.2	80.4	80.4	80.6	81.1	81.2	81.3	81.3	81.3	81.4	81.4	81.5	81.8
≥ 1800	78.0	79.8	80.0	80.6	80.7	80.7	80.9	81.4	81.5	81.7	81.7	81.7	81.8	81.8	81.9	82.1
≥ 1500	79.1	81.7	82.1	83.1	83.2	83.2	83.7	84.1	84.3	84.4	84.4	84.4	84.5	84.5	84.6	84.9
≥ 1200	79.6	82.6	83.1	84.0	84.3	84.3	84.7	85.6	85.7	86.0	86.2	86.2	86.4	86.4	86.5	86.7
≥ 1000	80.0	83.3	83.8	84.9	85.1	85.1	85.8	86.9	87.0	87.3	87.7	87.7	88.0	88.0	88.2	88.4
≥ 900	80.4	83.9	84.4	85.4	85.7	85.7	86.4	87.6	87.7	88.0	88.4	88.4	88.8	88.8	88.9	89.1
≥ 800	80.5	84.0	84.5	85.6	85.9	85.9	86.7	88.0	88.4	88.9	89.2	89.2	89.6	89.6	89.7	89.9
≥ 700	80.5	84.3	84.7	85.8	86.3	86.3	87.1	88.6	89.1	89.6	90.3	90.3	91.0	91.0	91.1	91.4
≥ 600	80.7	84.9	85.3	86.4	87.1	87.1	87.9	89.5	89.9	90.5	91.2	91.2	92.0	92.0	92.1	92.3
≥ 500	80.9	85.2	85.8	86.9	87.6	87.6	88.5	90.4	90.9	91.8	92.7	92.7	93.4	93.4	93.6	93.8
≥ 400	81.1	85.4	86.3	87.3	88.0	88.0	89.0	90.9	91.6	92.7	93.8	93.8	94.8	94.8	95.0	95.3
≥ 300	81.2	85.6	86.4	87.6	88.4	88.4	89.3	91.2	92.0	93.1	94.3	94.3	95.6	95.6	95.9	96.1
≥ 200	81.3	86.2	87.1	88.3	89.1	89.1	90.4	92.4	93.1	94.4	95.7	95.7	97.3	97.3	97.8	98.3
≥ 100	81.3	86.3	87.2	88.4	89.2	89.2	90.5	92.5	93.3	94.6	95.9	95.9	97.4	97.4	97.9	99.2
≥ 0	81.3	86.3	87.2	88.4	89.2	89.2	90.5	92.5	93.3	94.6	95.9	95.9	97.4	97.4	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 885

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	57.3	58.2	58.3	58.5	58.5	58.5	58.5	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.2	59.2
≥ 20000	62.2	63.0	63.1	63.4	63.4	63.4	63.4	63.6	63.6	63.7	63.8	63.8	63.8	63.8	64.1	64.1
≥ 18000	62.2	63.0	63.1	63.4	63.4	63.4	63.4	63.6	63.6	63.7	63.8	63.8	63.8	63.8	64.1	64.1
≥ 16000	62.2	63.0	63.1	63.4	63.4	63.4	63.4	63.6	63.6	63.7	63.8	63.8	63.8	63.8	64.1	64.1
≥ 14000	62.2	63.0	63.1	63.4	63.4	63.4	63.4	63.6	63.6	63.7	63.8	63.8	63.8	63.8	64.1	64.1
≥ 12000	62.8	63.6	63.7	63.9	63.9	63.9	63.9	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.7	64.7
≥ 10000	65.4	66.2	66.4	66.7	66.8	66.8	66.8	67.0	67.0	67.1	67.3	67.3	67.3	67.3	67.5	67.5
≥ 9000	65.4	66.2	66.4	66.7	66.8	66.8	66.8	67.0	67.0	67.1	67.3	67.3	67.3	67.3	67.5	67.5
≥ 8000	67.4	68.3	68.6	68.8	68.9	68.9	68.9	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.6	69.6
≥ 7000	68.8	69.7	70.2	70.4	70.6	70.6	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.3	71.3
≥ 6000	70.1	71.0	71.5	71.9	72.0	72.0	72.0	72.2	72.2	72.3	72.5	72.5	72.5	72.5	72.7	72.7
≥ 5000	71.0	72.0	72.5	72.8	72.9	72.9	72.9	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.6	73.6
≥ 4500	71.5	72.6	73.0	73.4	73.5	73.5	73.5	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.2	74.2
≥ 4000	71.7	72.8	73.3	73.8	74.1	74.1	74.1	74.3	74.3	74.5	74.6	74.6	74.6	74.6	74.8	74.8
≥ 3500	72.7	73.9	74.3	74.8	75.2	75.2	75.2	75.4	75.4	75.5	75.7	75.7	75.7	75.7	75.9	75.9
≥ 3000	73.8	75.2	75.8	76.4	76.8	76.8	77.0	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.7	77.7
≥ 2500	74.9	77.0	77.7	78.3	78.8	78.8	79.2	79.4	79.4	79.6	79.7	79.7	79.8	79.8	80.0	80.0
≥ 2000	75.4	77.5	78.7	79.3	80.0	80.0	80.4	80.7	80.7	80.9	81.0	81.0	81.1	81.1	81.3	81.3
≥ 1800	75.4	77.7	78.8	79.4	80.1	80.1	80.5	80.9	80.9	81.0	81.1	81.1	81.2	81.2	81.4	81.4
≥ 1500	76.6	79.1	80.3	81.0	81.8	81.9	82.5	82.9	82.9	83.1	83.2	83.2	83.3	83.3	83.6	83.6
≥ 1200	77.7	80.6	81.9	82.6	83.7	83.8	84.5	85.1	85.1	85.3	85.7	85.7	85.8	85.8	86.1	86.1
≥ 1000	78.3	81.4	82.7	83.5	84.5	84.6	85.6	86.2	86.2	86.4	86.8	86.8	86.9	86.9	87.1	87.1
≥ 900	78.3	81.8	83.1	83.9	85.0	85.1	86.2	86.6	87.1	87.6	87.9	87.9	88.1	88.1	88.3	88.3
≥ 800	78.4	81.9	83.2	84.2	85.2	85.3	86.4	87.1	87.5	87.9	88.5	88.5	89.0	89.0	89.2	89.2
≥ 700	78.7	82.3	83.6	84.5	85.6	85.8	87.0	87.8	88.3	88.9	89.6	89.6	90.2	90.2	90.4	90.4
≥ 600	79.1	83.1	84.4	85.5	86.5	86.8	88.1	88.9	89.4	90.0	90.7	90.7	91.5	91.5	91.7	91.7
≥ 500	79.3	83.8	85.2	86.3	87.4	87.6	88.9	90.1	90.5	91.5	92.2	92.2	93.0	93.0	93.3	93.3
≥ 400	79.3	83.8	85.2	86.3	87.6	87.8	89.1	90.5	91.1	92.3	93.0	93.0	93.9	93.9	94.1	94.1
≥ 300	79.4	84.2	85.6	86.6	88.1	88.3	89.6	91.0	91.6	92.8	93.6	93.6	95.2	95.2	95.4	95.5
≥ 200	79.4	84.4	85.8	86.9	88.3	88.5	90.2	91.6	92.2	93.5	94.4	94.4	96.2	96.3	97.0	97.5
≥ 100	79.7	84.6	86.1	87.1	88.5	88.8	90.4	91.8	92.6	93.9	94.9	95.0	96.8	96.9	97.6	99.5
≥ 0	79.7	84.6	86.1	87.1	88.5	88.8	90.4	91.8	92.6	93.9	94.9	95.0	96.8	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	52.4	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2	53.3	53.4	53.5	53.7
≥ 20000	58.3	58.7	59.1	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.8	59.8	59.9	60.0	60.2	60.3
≥ 18000	58.5	59.0	59.3	59.7	59.7	59.7	59.8	59.8	59.8	59.8	60.0	60.0	60.2	60.3	60.4	60.5
≥ 16000	58.5	59.0	59.3	59.7	59.7	59.7	59.8	59.8	59.8	59.8	60.0	60.0	60.2	60.3	60.4	60.5
≥ 14000	59.0	59.6	59.9	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.6	60.6	60.8	60.9	61.0	61.1
≥ 12000	61.1	61.7	62.1	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.8	62.8	62.9	63.0	63.1	63.2
≥ 10000	65.0	66.0	66.3	66.8	66.8	66.8	66.9	66.9	66.9	66.9	67.1	67.1	67.3	67.4	67.5	67.6
≥ 9000	65.1	66.2	66.5	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.4	67.4	67.5	67.6	67.7	67.8
≥ 8000	67.5	68.8	69.1	69.6	69.6	69.6	69.7	69.7	69.7	69.7	70.0	70.0	70.1	70.2	70.3	70.4
≥ 7000	69.1	70.6	70.9	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.7	71.7	71.9	72.0	72.1	72.2
≥ 6000	70.7	72.1	72.5	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.3	73.3	73.4	73.5	73.6	73.8
≥ 5000	71.6	73.2	73.5	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.3	74.3	74.5	74.6	74.7	74.8
≥ 4500	72.7	74.2	74.6	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.5	75.5	75.7	75.8	75.9	76.0
≥ 4000	73.4	75.1	75.4	76.1	76.2	76.2	76.4	76.5	76.6	76.6	77.0	77.0	77.1	77.2	77.3	77.4
≥ 3500	74.2	75.9	76.2	77.1	77.2	77.2	77.3	77.4	77.5	77.5	77.9	77.9	78.0	78.1	78.3	78.4
≥ 3000	75.3	77.4	77.9	79.0	79.1	79.1	79.6	79.7	79.8	79.8	80.1	80.1	80.3	80.4	80.5	80.6
≥ 2500	75.9	78.1	78.7	79.9	80.1	80.1	80.6	80.7	80.9	80.9	81.2	81.2	81.3	81.4	81.6	81.7
≥ 2000	77.5	80.0	80.7	82.2	82.7	82.7	83.6	83.8	83.9	83.9	84.3	84.3	84.4	84.5	84.6	84.8
≥ 1800	77.5	80.0	80.7	82.2	82.7	82.7	83.6	83.8	83.9	83.9	84.3	84.3	84.4	84.5	84.6	84.8
≥ 1500	78.7	81.3	82.0	83.6	84.3	84.3	85.1	85.5	85.6	85.7	86.1	86.1	86.3	86.4	86.5	86.6
≥ 1200	79.2	82.0	82.7	84.4	85.2	85.2	86.3	86.9	87.0	87.2	87.6	87.6	87.8	87.9	88.1	88.2
≥ 1000	79.4	82.3	83.1	84.9	85.7	85.7	86.9	87.5	87.6	87.9	88.4	88.4	88.7	88.8	88.9	89.0
≥ 900	79.6	82.4	83.3	85.1	86.4	86.4	87.6	88.2	88.3	88.8	89.2	89.2	89.5	89.6	89.7	89.8
≥ 800	79.6	82.5	83.5	85.2	86.5	86.5	87.7	88.3	88.7	89.5	90.0	90.0	90.2	90.3	90.4	90.5
≥ 700	79.9	82.9	83.8	85.6	86.9	86.9	88.1	88.7	89.0	89.8	90.3	90.3	90.5	90.7	90.8	90.9
≥ 600	79.9	82.9	83.8	85.7	87.0	87.0	88.4	89.0	89.4	90.2	90.7	90.7	91.0	91.1	91.4	91.5
≥ 500	79.9	82.9	83.8	85.8	87.5	87.5	88.9	89.6	90.1	91.4	92.0	92.0	92.7	92.8	93.1	93.3
≥ 400	79.9	83.0	83.9	85.9	87.7	87.7	89.1	90.1	90.7	92.0	92.6	92.6	93.6	93.7	94.1	94.3
≥ 300	80.0	83.1	84.3	86.3	88.2	88.2	89.6	90.5	91.3	92.7	93.5	93.5	94.8	95.0	95.4	95.7
≥ 200	80.0	83.1	84.3	86.3	88.2	88.2	90.0	91.0	91.7	93.4	94.2	94.3	96.1	96.3	97.3	97.6
≥ 100	80.0	83.1	84.3	86.3	88.2	88.2	90.1	91.1	91.8	93.5	94.3	94.6	96.7	96.9	98.0	99.6
≥ 0	80.0	83.1	84.3	86.3	88.2	88.2	90.1	91.1	91.8	93.5	94.3	94.6	96.7	96.9	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	51.5	52.1	52.4	52.8	52.8	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3
≥ 20000	60.8	61.7	62.1	62.5	62.5	62.5	62.8	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.3
≥ 18000	61.1	61.9	62.4	62.7	62.7	62.7	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.6	63.6
≥ 16000	61.4	62.2	62.7	63.1	63.1	63.1	63.4	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.9	63.9
≥ 14000	62.5	63.4	63.9	64.3	64.3	64.3	64.6	64.7	64.9	65.0	65.0	65.0	65.0	65.1	65.1	
≥ 12000	65.4	66.5	67.0	67.3	67.3	67.3	67.7	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.2	68.2
≥ 10000	68.8	69.9	70.7	71.0	71.0	71.0	71.5	71.6	71.7	72.0	72.0	72.0	72.0	72.0	72.1	72.4
≥ 9000	68.8	69.9	70.7	71.1	71.2	71.2	71.7	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.3	72.7
≥ 8000	70.8	72.0	72.7	73.4	73.5	73.5	74.0	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.8	75.1
≥ 7000	71.5	72.7	73.4	74.1	74.2	74.2	74.8	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.6	76.0
≥ 6000	72.8	74.2	75.0	75.7	76.2	76.2	76.8	77.2	77.3	77.5	77.5	77.5	77.5	77.5	77.6	78.0
≥ 5000	73.7	75.1	76.0	76.7	77.5	77.5	78.2	78.6	78.7	78.9	78.9	78.9	78.9	78.9	79.1	79.4
≥ 4500	74.2	75.6	76.4	77.2	78.0	78.0	78.7	79.2	79.3	79.5	79.5	79.5	79.5	79.5	79.6	80.0
≥ 4000	75.3	76.8	77.8	78.5	79.5	79.5	80.5	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.5	81.9
≥ 3500	75.9	77.4	78.3	79.1	80.1	80.1	81.1	81.7	81.8	82.1	82.1	82.1	82.1	82.1	82.2	82.6
≥ 3000	77.2	78.8	79.8	80.5	81.5	81.5	83.0	83.6	83.8	84.3	84.3	84.3	84.3	84.3	84.4	84.7
≥ 2500	77.6	79.3	80.5	81.2	82.2	82.4	83.9	84.5	84.7	85.2	85.2	85.2	85.2	85.2	85.3	85.7
≥ 2000	78.5	80.2	81.4	82.2	83.4	83.6	85.4	86.2	86.5	87.5	87.5	87.5	87.5	87.5	87.6	87.9
≥ 1800	78.5	80.2	81.4	82.2	83.4	83.6	85.6	86.3	86.6	87.6	87.6	87.6	87.6	87.6	87.7	88.0
≥ 1500	78.7	80.5	81.7	82.5	83.8	83.9	86.0	86.9	87.2	88.2	88.2	88.2	88.2	88.2	88.3	88.6
≥ 1200	79.2	81.1	82.4	83.2	84.7	85.0	87.3	88.4	88.8	89.8	89.8	89.8	89.8	89.8	89.9	90.3
≥ 1000	79.3	81.2	82.5	83.3	85.0	85.3	87.8	89.1	89.5	90.7	90.7	90.7	90.8	90.8	90.9	91.2
≥ 900	79.3	81.2	82.5	83.3	85.1	85.4	88.2	89.7	90.1	91.2	91.2	91.2	91.4	91.4	91.5	91.8
≥ 800	79.3	81.2	82.5	83.3	85.1	85.4	88.3	90.2	90.7	92.0	92.1	92.1	92.2	92.2	92.3	92.7
≥ 700	79.3	81.2	82.5	83.3	85.1	85.6	88.5	90.5	91.1	92.4	92.7	92.7	92.8	92.8	92.9	93.3
≥ 600	79.3	81.2	82.5	83.4	85.2	85.7	88.6	90.8	91.4	92.9	93.1	93.1	93.3	93.3	93.4	93.7
≥ 500	79.4	81.4	82.7	83.7	85.4	85.9	89.3	91.7	92.3	94.1	94.4	94.4	94.6	94.6	94.7	95.0
≥ 400	79.4	81.5	83.0	83.9	85.7	86.2	89.8	92.4	93.1	95.1	95.9	95.9	96.0	96.0	96.1	96.4
≥ 300	79.4	81.5	83.1	84.0	86.2	86.6	90.3	92.9	94.0	96.0	96.7	96.7	96.8	96.8	97.0	97.4
≥ 200	79.4	81.5	83.1	84.0	86.2	86.6	90.4	93.4	94.4	96.4	97.4	97.6	98.0	98.0	98.2	98.9
≥ 100	79.4	81.5	83.1	84.0	86.2	86.6	90.5	93.5	94.6	96.6	98.1	98.3	98.7	98.7	98.9	100.0
≥ 0	79.4	81.5	83.1	84.0	86.2	86.6	90.5	93.5	94.6	96.6	98.1	98.3	98.7	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 885

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	52.6	54.1	54.5	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	64.8	66.5	66.9	67.5	67.5	67.5	67.6	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	64.9	66.7	67.0	67.8	67.8	67.8	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000	65.1	66.9	67.3	68.1	68.1	68.1	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 14000	66.1	67.8	68.2	69.1	69.1	69.1	69.3	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 12000	69.4	71.3	71.6	72.6	72.6	72.6	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 10000	72.7	74.7	75.1	76.0	76.0	76.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000	72.8	74.8	75.2	76.1	76.1	76.1	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	74.0	76.0	76.5	77.5	77.5	77.5	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	74.8	76.8	77.3	78.4	78.5	78.5	78.6	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.2
≥ 6000	75.5	77.8	78.3	79.3	79.6	79.6	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.3
≥ 5000	76.5	78.8	79.3	80.4	80.6	80.6	80.7	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.3
≥ 4500	77.1	79.4	79.9	81.0	81.2	81.2	81.3	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.9
≥ 4000	78.0	80.6	81.1	82.3	82.7	82.7	83.0	83.2	83.3	83.5	83.5	83.5	83.5	83.7	83.8
≥ 3500	78.4	81.0	81.4	82.6	83.2	83.2	83.5	83.7	83.8	83.9	83.9	83.9	83.9	84.2	84.3
≥ 3000	79.7	82.7	83.2	84.6	85.5	85.5	85.9	86.4	86.8	87.2	87.2	87.2	87.2	87.5	87.6
≥ 2500	79.9	83.2	83.7	85.1	86.1	86.1	86.5	87.0	87.4	87.8	87.8	87.8	87.8	88.1	88.2
≥ 2000	80.5	84.4	85.2	86.8	87.9	87.9	88.4	88.9	89.2	90.0	90.1	90.1	90.3	90.3	90.4
≥ 1800	80.5	84.4	85.2	86.8	87.9	87.9	88.4	88.9	89.2	90.0	90.1	90.1	90.1	90.3	90.3	90.4
≥ 1500	80.7	84.8	85.6	87.2	88.4	88.4	88.9	89.5	89.8	90.8	90.9	90.9	90.9	91.1	91.1	91.3
≥ 1200	81.4	85.5	86.4	88.2	89.8	89.8	90.3	90.9	91.3	92.3	92.6	92.6	92.6	92.8	92.8	92.9
≥ 1000	81.7	85.8	86.9	88.8	90.5	90.5	91.1	91.7	92.1	93.1	93.6	93.6	93.6	93.9	93.9	94.0
≥ 900	81.7	85.8	86.9	88.8	90.5	90.5	91.3	92.0	92.4	93.6	94.1	94.1	94.1	94.3	94.3	94.4
≥ 800	81.8	85.9	87.0	88.9	90.8	90.9	91.7	92.8	93.4	94.6	95.0	95.0	95.0	95.3	95.3	95.4
≥ 700	81.9	86.2	87.2	89.1	91.0	91.1	92.1	93.1	94.1	95.3	95.7	95.7	95.7	96.0	96.0	96.1
≥ 600	81.9	86.4	87.5	89.4	91.3	91.4	92.3	93.4	94.3	95.5	96.0	96.0	96.0	96.2	96.2	96.3
≥ 500	82.2	86.9	87.9	90.2	92.1	92.3	93.4	94.7	95.6	97.0	97.5	97.6	97.6	97.9	97.9	98.1
≥ 400	82.2	87.0	88.3	90.5	92.4	92.8	94.0	95.4	96.3	97.8	98.2	98.3	98.3	98.6	98.6	98.8
≥ 300	82.2	87.0	88.4	90.9	93.1	93.5	94.7	96.1	97.0	98.5	98.9	99.1	99.1	99.3	99.3	99.5
≥ 200	82.3	87.1	88.5	91.0	93.3	93.6	94.8	96.2	97.2	98.7	99.3	99.5	99.5	99.8	99.8	100.0
≥ 100	82.3	87.1	88.5	91.0	93.3	93.6	94.8	96.2	97.2	98.7	99.3	99.5	99.5	99.8	99.8	100.0
≥ 0	82.3	87.1	88.5	91.0	93.3	93.6	94.8	96.2	97.2	98.7	99.3	99.5	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 896

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	53.4	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	64.5	65.1	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 18000	65.1	65.8	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 16000	65.2	66.0	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 14000	66.2	66.9	67.3	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
≥ 12000	69.7	70.7	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
≥ 10000	73.9	75.3	76.0	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
≥ 9000	74.2	75.7	76.4	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
≥ 8000	75.4	77.3	78.1	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
≥ 7000	75.9	77.8	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000	77.5	79.4	80.3	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
≥ 5000	78.0	80.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	78.4	80.4	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	79.1	81.1	82.2	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0
≥ 3500	79.2	81.2	82.3	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1
≥ 3000	80.6	83.6	84.8	85.3	85.7	85.7	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3
≥ 2500	81.1	84.3	85.5	86.4	86.9	86.9	87.4	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9
≥ 2000	81.6	84.9	86.2	87.2	87.7	87.7	88.3	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0
≥ 1800	81.7	85.1	86.4	87.5	87.9	87.9	88.5	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2
≥ 1500	81.8	85.6	87.0	88.1	88.8	88.9	89.6	90.1	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4
≥ 1200	82.4	86.4	88.1	89.4	90.1	90.2	91.0	91.5	91.5	91.8	91.8	92.0	92.0	92.0	92.0	92.0
≥ 1000	82.7	87.5	89.1	90.5	91.3	91.4	92.2	92.8	92.8	93.1	93.1	93.3	93.4	93.5	93.5	93.5
≥ 900	82.7	87.5	89.1	90.8	91.5	91.6	92.4	93.1	93.1	93.5	93.6	93.7	93.9	94.0	94.0	94.0
≥ 800	83.1	87.8	89.6	91.5	92.3	92.4	93.3	94.2	94.3	94.7	94.8	94.9	95.0	95.3	95.3	95.3
≥ 700	83.1	88.4	90.4	92.6	93.4	93.5	94.6	95.6	95.7	96.2	96.3	96.5	97.0	97.4	97.4	97.4
≥ 600	83.5	88.9	90.9	93.0	93.9	94.0	95.0	96.1	96.2	96.8	96.9	97.0	97.6	98.0	98.0	98.0
≥ 500	83.5	89.5	91.6	94.1	94.9	95.2	96.2	97.3	97.4	98.3	98.5	98.6	99.2	99.5	99.5	99.5
≥ 400	83.5	89.6	91.7	94.3	95.2	95.4	96.5	97.5	97.6	98.7	98.8	98.9	99.5	99.9	99.9	99.9
≥ 300	83.5	89.6	91.7	94.3	95.2	95.4	96.5	97.5	97.6	98.7	98.8	98.9	99.6	100.0	100.0	100.0
≥ 200	83.5	89.6	91.7	94.3	95.2	95.4	96.5	97.5	97.6	98.7	98.8	98.9	99.6	100.0	100.0	100.0
≥ 100	83.5	89.6	91.7	94.3	95.2	95.4	96.5	97.5	97.6	98.7	98.8	98.9	99.6	100.0	100.0	100.0
0	83.5	89.6	91.7	94.3	95.2	95.4	96.5	97.5	97.6	98.7	98.8	98.9	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 886

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥¼	≥0
NO CEILING	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	64.7	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
≥ 18000	65.2	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 14000	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 12000	68.7	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
≥ 10000	74.0	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
≥ 9000	74.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000	75.1	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	76.2	76.2
≥ 7000	75.5	76.8	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
≥ 6000	76.5	77.8	77.9	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	77.9	79.3	79.4	79.4	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	78.5	79.9	80.0	80.0	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4000	79.8	81.2	81.3	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	80.4	81.8	81.9	81.9	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	81.8	83.7	84.0	84.0	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2500	82.4	84.4	85.1	85.1	85.5	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2000	82.5	85.0	85.8	85.8	86.2	86.2	86.6	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	82.7	85.3	86.2	86.2	86.5	86.5	87.0	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1500	83.5	86.8	87.6	87.6	87.9	87.9	88.4	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1200	83.7	87.6	88.5	88.5	88.9	88.9	89.5	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000	83.8	88.5	89.5	89.5	89.8	89.8	90.4	91.5	91.5	91.7	91.7	91.7	92.0	92.0	92.0	92.0
≥ 900	83.8	88.8	89.7	89.7	90.1	90.1	90.8	91.8	91.8	92.1	92.1	92.1	92.3	92.3	92.3	92.3
≥ 800	83.8	89.4	90.3	90.4	90.8	90.8	91.6	92.9	92.9	93.3	93.4	93.4	93.7	93.9	93.9	93.9
≥ 700	83.9	90.0	90.9	91.0	91.5	91.5	92.3	93.6	93.6	94.3	94.6	94.6	94.9	95.0	95.2	95.2
≥ 600	84.4	90.4	91.4	91.5	92.0	92.0	92.0	94.1	94.1	94.8	95.0	95.0	95.4	95.5	95.6	95.7
≥ 500	85.2	91.7	92.7	92.9	93.4	93.4	94.2	95.9	95.9	96.9	97.2	97.2	97.5	97.6	97.8	97.9
≥ 400	85.2	91.8	92.8	93.1	93.6	93.6	94.4	96.3	96.6	97.6	97.9	97.9	98.2	98.3	98.5	98.6
≥ 300	85.2	91.8	92.8	93.1	93.6	93.6	94.4	96.3	96.6	97.8	98.0	98.0	98.3	98.5	98.6	98.7
≥ 200	85.2	92.0	92.9	93.3	93.7	93.7	94.6	96.5	96.8	98.0	98.5	98.5	98.9	99.1	99.2	99.4
≥ 100	85.2	92.0	92.9	93.3	93.7	93.7	94.6	96.5	96.8	98.1	98.6	98.6	99.1	99.2	99.3	99.9
= 0	85.2	92.0	92.9	93.3	93.7	93.7	94.6	96.5	96.8	98.1	98.6	98.6	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 896

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	60.9	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	61.9	61.9
≥ 20000	63.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 18000	63.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	63.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000	64.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000	65.5	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	66.7
≥ 10000	70.1	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 9000	70.4	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000	70.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	71.5	72.8	72.8	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
≥ 6000	73.3	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	75.8	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	77.3	77.3
≥ 4500	76.0	77.4	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
≥ 4000	76.7	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	78.0	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3000	80.0	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
≥ 2500	80.6	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5
≥ 2000	81.8	84.0	84.0	84.0	84.4	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9
≥ 1800	82.0	84.4	84.4	84.4	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2
≥ 1500	82.6	85.3	85.6	85.7	86.1	86.1	86.2	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6
≥ 1200	83.0	86.2	86.5	86.8	87.1	87.1	87.4	87.7	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.2
≥ 1000	83.2	87.0	87.4	87.7	88.1	88.1	88.4	88.8	89.2	89.5	89.5	89.5	90.0	90.0	90.0	90.0
≥ 900	83.3	87.2	87.6	87.9	88.3	88.3	88.9	89.4	89.8	90.1	90.1	90.1	90.5	90.5	90.5	90.5
≥ 800	83.6	87.5	87.8	88.2	88.5	88.5	89.1	89.7	90.2	90.4	90.4	90.4	90.9	90.9	90.9	90.9
≥ 700	83.6	87.6	87.9	88.3	88.7	88.7	89.2	90.1	90.5	90.9	91.1	91.1	91.6	91.6	91.6	91.6
≥ 600	83.8	87.9	88.3	88.8	89.2	89.2	90.0	90.8	91.3	91.6	92.1	92.1	92.6	92.6	92.6	92.6
≥ 500	84.6	89.2	89.6	90.3	90.9	90.9	91.7	92.9	93.4	94.2	94.7	94.7	95.2	95.2	95.2	95.2
≥ 400	84.6	89.4	89.7	90.4	91.0	91.0	92.0	93.1	94.1	95.0	95.6	95.6	96.2	96.2	96.2	96.2
≥ 300	84.6	89.5	89.8	90.5	91.3	91.3	92.2	93.4	94.3	95.5	96.1	96.1	96.9	96.9	96.9	96.9
≥ 200	84.9	89.8	90.2	90.9	91.6	91.7	92.7	94.1	95.0	96.3	97.2	97.2	98.2	98.2	98.3	98.3
≥ 100	85.0	90.0	90.3	91.0	91.7	91.8	92.8	94.2	95.2	96.6	97.4	97.4	98.5	98.5	98.7	99.3
0	85.0	90.0	90.3	91.0	91.7	91.8	92.8	94.2	95.2	96.6	97.4	97.4	98.5	98.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 884

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOUR (LST))

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥⅝	≥5/16	≥¼	0
NO CEILING	55.4	56.1	56.2	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.7	56.7
≥ 20000	62.8	63.6	63.8	64.1	64.1	64.1	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.5	64.5
≥ 18000	63.1	63.9	64.1	64.4	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.7	64.7	64.8	64.8
≥ 16000	63.2	64.0	64.2	64.5	64.5	64.5	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.9	64.9
≥ 14000	63.8	64.6	64.9	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.6
≥ 12000	65.9	66.8	67.1	67.4	67.4	67.4	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8
≥ 10000	69.6	70.7	71.0	71.3	71.4	71.4	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.8
≥ 9000	69.7	70.9	71.2	71.5	71.6	71.6	71.7	71.7	71.8	71.8	71.9	71.9	71.9	71.9	72.0	72.1
≥ 8000	71.2	72.5	72.8	73.2	73.2	73.2	73.3	73.4	73.5	73.5	73.6	73.6	73.6	73.6	73.7	73.8
≥ 7000	72.1	73.4	73.8	74.2	74.2	74.2	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.8
≥ 6000	73.5	74.8	75.2	75.6	75.8	75.8	75.9	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.3	76.4
≥ 5000	74.6	76.1	76.5	76.9	77.2	77.2	77.3	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.8
≥ 4500	75.2	76.7	77.1	77.5	77.7	77.7	77.9	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.4
≥ 4000	76.0	77.5	78.0	78.5	78.8	78.8	79.0	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.5	79.6
≥ 3500	76.7	78.3	78.7	79.2	79.6	79.6	79.8	79.9	80.0	80.0	80.1	80.1	80.2	80.2	80.3	80.4
≥ 3000	78.1	80.0	80.6	81.2	81.6	81.6	82.0	82.2	82.3	82.5	82.5	82.5	82.6	82.6	82.7	82.8
≥ 2500	78.7	80.9	81.5	82.2	82.7	82.7	83.2	83.5	83.6	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 2000	79.4	81.9	82.7	83.5	84.1	84.1	84.7	85.2	85.3	85.5	85.6	85.6	85.7	85.7	85.8	85.9
≥ 1800	79.5	82.1	82.9	83.7	84.3	84.3	84.9	85.4	85.5	85.7	85.8	85.8	85.9	85.9	86.0	86.1
≥ 1500	80.2	83.1	84.0	84.8	85.5	85.6	86.3	86.8	86.9	87.3	87.4	87.4	87.5	87.5	87.6	87.7
≥ 1200	80.8	84.0	85.0	85.9	86.7	86.8	87.6	88.3	88.5	88.9	89.1	89.1	89.2	89.2	89.3	89.4
≥ 1000	81.1	84.6	85.6	86.6	87.5	87.6	88.5	89.3	89.5	90.0	90.2	90.2	90.4	90.5	90.5	90.6
≥ 900	81.1	84.8	85.8	86.9	87.8	87.9	89.0	89.8	90.1	90.6	90.8	90.9	91.1	91.1	91.2	91.3
≥ 800	81.2	85.0	86.0	87.2	88.1	88.2	89.4	90.4	90.7	91.4	91.7	91.7	92.0	92.0	92.1	92.2
≥ 700	81.4	85.3	86.4	87.5	88.5	88.7	89.9	91.0	91.4	92.2	92.6	92.6	93.0	93.1	93.2	93.3
≥ 600	81.6	85.7	86.8	88.0	89.0	89.1	90.4	91.6	92.0	92.8	93.2	93.2	93.7	93.8	93.9	94.0
≥ 500	81.9	86.3	87.4	88.8	89.9	90.0	91.4	92.8	93.3	94.4	94.9	94.9	95.4	95.5	95.6	95.8
≥ 400	81.9	86.4	87.6	89.0	90.2	90.3	91.7	93.3	93.9	95.2	95.7	95.8	96.3	96.4	96.6	96.7
≥ 300	81.9	86.5	87.8	89.2	90.5	90.7	92.1	93.6	94.3	95.6	96.2	96.3	97.0	97.2	97.3	97.5
≥ 200	82.0	86.7	88.0	89.4	90.7	90.9	92.4	94.1	94.8	96.2	96.9	97.0	98.0	98.1	98.4	98.8
≥ 100	82.0	86.8	88.0	89.4	90.7	90.9	92.5	94.2	94.9	96.3	97.2	97.3	98.3	98.4	98.8	99.7
≥ 0	82.0	86.8	88.0	89.4	90.7	90.9	92.5	94.2	94.9	96.3	97.2	97.3	98.3	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6746

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 ½	≥2	≥1 ¾	≥1 ½	≥1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥0
NO CEILING	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 20000	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 18000	65.3	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
≥ 16000	65.5	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
≥ 14000	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 12000	67.1	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
≥ 10000	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	71.6	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 7000	72.7	73.1	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
≥ 6000	73.7	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
≥ 5000	74.6	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500	75.3	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
≥ 4000	76.5	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
≥ 3500	77.5	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
≥ 3000	79.1	80.2	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	79.6	80.8	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	80.6	82.0	82.5	82.5	82.8	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	81.1	82.5	82.9	82.9	83.2	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1500	81.8	83.9	84.3	84.4	85.1	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1200	82.8	85.2	85.7	85.8	86.5	86.5	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	83.3	86.1	87.1	87.3	88.1	88.1	88.1	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5
≥ 900	83.4	86.3	87.3	87.5	88.3	88.3	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	83.5	86.8	87.7	88.2	88.9	88.9	89.2	89.5	89.7	89.8	89.9	89.9	90.1	90.1	90.1
≥ 700	83.8	87.0	88.0	88.4	89.1	89.1	89.5	89.7	89.9	90.0	90.1	90.1	90.3	90.3	90.3
≥ 600	84.0	87.4	88.5	88.9	89.7	89.7	90.0	90.2	90.4	90.5	90.6	90.6	90.9	90.9	90.9
≥ 500	84.3	88.3	89.6	90.0	91.0	91.0	91.3	91.5	91.8	91.9	92.5	92.5	92.8	92.8	92.8
≥ 400	84.5	88.8	90.4	91.1	92.2	92.2	92.5	92.7	93.3	93.4	94.1	94.1	94.4	94.4	94.6
≥ 300	84.6	89.1	91.1	91.8	93.1	93.1	93.4	93.8	94.4	94.5	95.3	95.3	95.6	95.6	95.8
≥ 200	84.7	89.2	91.2	92.0	93.4	93.4	93.9	94.5	95.2	95.6	96.3	96.3	97.5	97.8	98.2
≥ 100	84.7	89.2	91.2	92.0	93.4	93.4	93.9	94.5	95.2	95.6	96.3	96.3	97.6	98.0	98.7
≥ 0	84.7	89.2	91.2	92.0	93.4	93.4	93.9	94.5	95.2	95.6	96.3	96.3	97.6	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	56.2	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 18000	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	64.4	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000	66.3	66.6	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
≥ 10000	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	69.6	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	71.3	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	72.0	72.7	72.7	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
≥ 6000	72.7	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	73.5	73.5
≥ 5000	74.1	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4500	74.4	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	75.6	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500	76.0	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	77.4	79.4	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500	78.3	80.4	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	79.4	82.0	82.2	82.4	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	80.2	82.9	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1500	81.8	84.7	84.8	85.3	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1200	82.4	85.7	85.9	86.3	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000	82.9	86.3	86.8	87.3	87.6	87.6	87.6	87.8	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2
≥ 900	83.1	86.7	87.1	87.7	88.1	88.2	88.3	88.5	88.5	88.6	88.7	88.7	88.8	88.8	88.8	88.8
≥ 800	83.4	87.0	87.4	88.3	88.6	88.8	88.9	89.1	89.1	89.2	89.4	89.5	90.0	90.0	90.0	90.0
≥ 700	83.9	87.4	87.8	88.7	89.0	89.2	89.4	89.6	89.6	89.7	89.9	90.0	90.6	90.6	90.6	90.8
≥ 600	84.0	87.6	88.2	89.0	89.5	89.7	89.8	90.0	90.0	90.1	90.3	90.4	91.2	91.2	91.2	91.3
≥ 500	84.0	88.1	88.7	89.6	90.2	90.4	90.5	91.0	91.0	91.1	91.6	91.7	92.6	92.6	92.6	92.7
≥ 400	84.3	88.7	89.6	90.5	91.5	91.7	91.8	92.5	92.7	92.9	93.5	93.7	94.5	94.7	94.7	94.9
≥ 300	84.7	89.5	90.6	91.6	92.7	92.9	93.0	93.7	93.9	94.2	95.1	95.2	96.0	96.2	96.3	96.7
≥ 200	85.1	89.9	91.1	92.0	93.4	93.7	93.8	94.5	94.7	95.4	96.3	96.5	97.6	97.8	98.0	98.5
≥ 100	85.1	89.9	91.1	92.0	93.4	93.7	93.8	94.5	94.7	95.5	96.5	96.6	98.0	98.3	98.5	99.8
= 0	85.1	89.9	91.1	92.0	93.4	93.7	93.8	94.5	94.7	95.5	96.5	96.6	98.0	98.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS L.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	53.6	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	58.7	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5
≥ 18000	59.4	60.0	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
≥ 16000	59.4	60.0	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
≥ 14000	60.1	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9
≥ 12000	61.9	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8
≥ 10000	66.4	67.0	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
≥ 9000	67.0	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
≥ 8000	70.2	70.9	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
≥ 7000	71.2	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3
≥ 6000	72.6	73.4	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	74.1	74.1	74.1	74.1
≥ 5000	74.2	75.1	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8
≥ 4500	74.6	75.6	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	76.3
≥ 4000	76.5	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.5	78.5	78.5	78.5
≥ 3500	77.6	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.5	79.5
≥ 3000	78.9	80.2	80.7	80.7	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.4	81.4	81.4	81.4
≥ 2500	79.1	80.6	81.2	81.2	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.8	81.8	81.8	81.8
≥ 2000	80.1	81.6	82.1	82.1	82.3	82.3	82.5	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9
≥ 1800	80.2	81.7	82.2	82.2	82.6	82.6	82.7	82.8	82.8	82.8	82.8	83.1	83.1	83.1	83.1
≥ 1500	82.3	83.9	84.4	84.4	84.8	84.8	84.9	85.0	85.0	85.1	85.1	85.5	85.5	85.5	85.5
≥ 1200	83.0	84.9	85.5	85.5	85.9	85.9	86.0	86.2	86.2	86.3	86.3	86.7	86.7	86.7	86.7
≥ 1000	83.5	85.5	86.1	86.1	86.7	86.9	87.0	87.3	87.4	87.5	87.5	87.8	87.8	87.8	87.8
≥ 900	83.6	85.6	86.2	86.2	86.9	87.1	87.3	87.6	87.7	87.8	87.8	88.2	88.2	88.2	88.2
≥ 800	83.9	85.8	86.4	86.4	87.2	87.4	87.6	87.9	88.1	88.4	88.5	88.6	89.1	89.1	89.5	89.5
≥ 700	84.4	86.3	87.1	87.1	87.8	88.1	88.4	88.8	89.0	89.5	89.6	89.7	90.3	90.3	90.7	90.7
≥ 600	84.4	86.4	87.4	87.4	88.2	88.5	89.1	89.7	89.9	90.4	90.5	90.6	91.3	91.3	91.7	91.7
≥ 500	84.5	86.8	87.7	87.9	88.8	89.1	89.9	90.4	90.6	91.4	91.7	91.8	92.7	92.7	93.1	93.1
≥ 400	84.5	86.8	87.9	88.4	89.3	89.7	90.5	91.1	91.3	92.1	92.6	92.7	93.6	93.6	94.4	94.4
≥ 300	84.5	87.2	88.5	88.9	89.9	90.2	91.6	92.2	92.5	93.3	93.8	93.9	95.6	95.7	96.4	96.4
≥ 200	84.6	87.4	88.7	89.1	90.3	90.7	92.2	93.1	93.3	94.5	95.3	95.5	97.4	97.6	98.6	98.6
≥ 100	84.6	87.4	88.7	89.1	90.3	90.7	92.2	93.1	93.3	94.5	95.3	95.5	97.4	97.7	99.0	99.8
≥ 0	84.6	87.4	88.7	89.1	90.3	90.7	92.2	93.1	93.3	94.5	95.3	95.5	97.4	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	62.8	63.3	63.3	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
≥ 18000	63.0	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.9	63.9	63.9	63.9
≥ 16000	63.0	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.9	63.9	63.9	63.9
≥ 14000	64.2	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1	65.1	65.1	65.1
≥ 12000	66.1	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.0	67.0	67.0	67.0
≥ 10000	69.4	69.9	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	70.3
≥ 9000	69.8	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8	70.8	70.8
≥ 8000	71.5	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.6
≥ 7000	72.4	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.4	73.4	73.4	73.4
≥ 6000	73.0	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2	74.2
≥ 5000	74.2	74.7	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.6	75.6	75.6	75.6
≥ 4500	74.8	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.2	76.2	76.2	76.2
≥ 4000	76.1	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.6	77.6	77.6	77.6
≥ 3500	76.5	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.0	78.0	78.0	78.0
≥ 3000	78.2	78.9	79.0	79.2	79.5	79.6	79.6	79.6	79.6	79.7	79.7	79.7	80.2	80.2	80.2	80.2
≥ 2500	78.9	79.8	79.9	80.1	80.3	80.4	80.4	80.4	80.4	80.5	80.5	80.5	81.1	81.1	81.1	81.1
≥ 2000	79.5	80.3	80.4	80.6	80.9	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.7	81.7	81.7	81.7
≥ 1800	79.5	80.3	80.6	80.9	81.1	81.3	81.3	81.3	81.3	81.5	81.5	81.5	82.0	82.0	82.0	82.0
≥ 1500	81.8	82.9	83.2	83.4	83.8	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.8	84.8	84.8	84.8
≥ 1200	82.3	83.4	83.8	84.1	84.5	84.7	85.1	85.1	85.1	85.4	85.4	85.4	85.9	85.9	85.9	85.9
≥ 1000	82.9	84.4	84.9	85.3	85.8	86.0	86.5	86.9	86.9	87.2	87.2	87.2	87.7	87.7	87.7	87.7
≥ 900	83.3	85.1	85.6	86.0	86.6	86.8	87.4	87.8	87.8	88.2	88.2	88.2	88.7	88.7	88.7	88.7
≥ 800	83.4	85.2	85.8	86.2	86.8	87.0	87.8	88.5	88.6	89.0	89.1	89.2	90.1	90.1	90.2	90.2
≥ 700	83.9	85.8	86.7	87.3	87.8	88.1	89.1	90.0	90.2	90.9	91.0	91.1	91.9	92.0	92.2	92.3
≥ 600	84.2	86.1	87.2	87.8	88.4	88.6	89.7	90.5	90.8	91.4	91.5	91.6	92.6	92.7	92.8	92.9
≥ 500	84.4	86.6	87.6	88.5	89.0	89.2	90.4	91.7	91.9	92.6	92.9	93.0	94.1	94.2	94.3	94.5
≥ 400	84.4	86.6	88.0	89.0	89.7	89.9	91.2	92.6	92.8	93.5	94.0	94.1	95.2	95.5	95.6	96.0
≥ 300	84.4	86.6	88.0	89.1	90.0	90.2	91.9	93.7	94.1	95.1	95.6	95.8	96.9	97.3	97.4	97.8
≥ 200	84.4	86.6	88.0	89.1	90.0	90.2	91.9	93.8	94.2	95.2	95.7	96.0	97.2	97.6	97.7	98.1
≥ 100	84.4	86.6	88.0	89.1	90.0	90.2	91.9	93.8	94.2	95.3	95.8	96.1	97.4	98.0	98.1	99.7
≥ 0	84.4	86.6	88.0	89.1	90.0	90.2	91.9	93.8	94.2	95.3	95.8	96.1	97.4	98.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72o625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.0	50.1	50.1	50.1	50.1	50.1
≥ 20000	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5
≥ 18000	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.6	62.6	62.6	62.6	62.6
≥ 16000	61.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7
≥ 14000	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.7	63.7	63.7	63.7	63.7
≥ 12000	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8
≥ 10000	68.1	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9
≥ 9000	68.8	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.7
≥ 8000	71.2	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4
≥ 7000	72.5	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.7
≥ 6000	73.7	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.8	74.8	74.8	74.8	74.8
≥ 5000	75.2	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.5	76.5	76.6	76.6	76.6	76.6	76.6
≥ 4500	76.0	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.3	77.3	77.4	77.4	77.4	77.4	77.4
≥ 4000	78.4	79.1	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.2	80.2	80.3	80.3	80.3	80.3	80.3
≥ 3500	79.0	79.8	80.1	80.5	80.6	80.6	80.6	80.6	80.6	80.9	80.9	81.0	81.0	81.0	81.0	81.0
≥ 3000	81.2	82.3	82.6	83.0	83.1	83.1	83.1	83.1	83.1	83.4	83.4	83.5	83.5	83.5	83.5	83.5
≥ 2500	81.6	83.1	83.5	84.0	84.1	84.1	84.1	84.1	84.1	84.7	84.7	84.8	84.8	84.8	84.8	84.8
≥ 2000	82.3	84.0	84.4	85.1	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.9	86.0	86.0	86.0	86.0
≥ 1800	82.8	84.5	84.9	85.6	85.7	85.7	85.7	85.7	85.7	86.3	86.3	86.5	86.6	86.6	86.6	86.6
≥ 1500	84.2	86.1	86.6	87.3	87.6	87.6	87.6	87.6	87.6	88.3	88.4	88.5	88.6	88.6	88.6	88.6
≥ 1200	84.2	86.3	86.9	87.6	88.0	88.1	88.1	88.1	88.1	88.7	88.8	88.9	89.0	89.0	89.0	89.0
≥ 1000	84.7	87.6	88.2	89.0	89.4	89.5	89.7	89.9	89.9	90.6	90.8	90.9	91.0	91.0	91.0	91.0
≥ 900	84.8	88.2	88.7	89.6	90.0	90.1	90.3	90.6	90.6	91.4	91.5	91.6	91.7	91.7	91.7	91.7
≥ 800	85.2	88.6	89.1	90.0	90.4	90.5	90.9	91.3	91.3	92.0	92.2	92.3	92.7	92.7	92.7	92.7
≥ 700	85.2	88.8	89.4	90.2	90.8	90.9	91.2	91.6	91.7	92.7	92.8	92.9	93.3	93.3	93.3	93.3
≥ 600	85.5	89.4	90.1	91.1	91.9	92.0	92.4	92.8	92.9	94.0	94.1	94.2	94.6	94.6	94.6	94.6
≥ 500	85.7	89.7	90.4	91.5	92.5	92.6	93.0	93.5	93.8	95.4	95.5	95.6	96.3	96.3	96.6	96.6
≥ 400	85.7	89.8	90.6	91.9	93.0	93.1	93.5	94.1	94.3	95.9	96.0	96.1	96.9	97.0	97.4	97.6
≥ 300	85.9	90.0	90.9	92.2	93.4	93.5	94.1	94.6	94.8	97.1	97.2	97.3	98.1	98.2	98.6	98.8
≥ 200	85.9	90.0	90.9	92.2	93.4	93.5	94.1	94.6	94.8	97.1	97.2	97.5	98.4	98.5	99.0	99.5
≥ 100	85.9	90.0	90.9	92.2	93.4	93.5	94.1	94.6	94.8	97.1	97.2	97.5	98.4	98.5	99.0	99.7
0	85.9	90.0	90.9	92.2	93.4	93.5	94.1	94.6	94.8	97.1	97.2	97.5	98.4	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	51.8	52.3	52.5	52.6	52.7	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	62.8	63.3	63.5	63.7	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 18000	63.0	63.5	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000	63.0	63.5	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000	63.9	64.4	64.7	64.8	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 12000	66.5	67.0	67.2	67.3	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	70.0	70.5	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	70.5	71.1	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	72.7	73.8	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 7000	73.9	74.9	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 6000	74.5	75.6	76.2	76.3	76.5	76.5	76.6	76.6	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9
≥ 5000	77.7	78.8	79.5	79.6	79.7	79.7	79.8	79.8	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4500	77.8	78.9	79.6	79.7	79.8	79.8	79.9	79.9	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4000	80.6	81.8	82.5	82.7	82.9	82.9	83.0	83.0	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	81.2	82.4	83.0	83.2	83.4	83.4	83.5	83.5	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	82.0	83.4	84.2	84.5	84.7	84.7	84.9	84.9	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	82.4	83.9	84.8	85.3	85.5	85.5	85.8	85.9	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	83.3	85.3	86.3	87.0	87.3	87.3	87.6	87.7	87.7	88.0	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	83.4	85.4	86.5	87.1	87.4	87.4	87.7	87.8	87.8	88.1	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500	83.8	86.0	87.2	88.0	88.3	88.3	88.6	88.7	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1200	84.3	86.7	88.1	88.8	89.1	89.1	89.6	89.7	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	84.8	88.1	89.7	90.4	90.9	91.0	91.4	91.6	91.6	92.0	92.3	92.3	92.4	92.4	92.4	92.4
≥ 900	85.2	88.4	90.1	90.9	91.3	91.4	91.8	92.0	92.0	92.5	92.7	92.7	92.8	92.8	92.8	92.8
≥ 800	85.5	88.8	90.8	91.5	91.9	92.0	92.6	92.8	92.8	93.3	93.5	93.5	93.8	93.8	93.9	93.9
≥ 700	85.5	88.8	90.8	91.7	92.3	92.4	92.9	93.4	93.7	94.2	94.4	94.4	94.6	94.6	94.7	94.7
≥ 600	86.0	89.4	91.3	92.3	92.9	93.0	93.5	94.1	94.3	94.8	95.1	95.1	95.3	95.3	95.6	95.6
≥ 500	86.1	89.7	91.7	93.0	93.8	93.9	94.4	95.2	95.7	96.3	96.8	96.8	97.0	97.0	97.3	97.3
≥ 400	86.1	89.7	91.7	93.0	93.8	93.9	94.4	95.2	95.8	96.5	97.0	97.0	97.2	97.2	97.7	97.8
≥ 300	86.3	89.9	91.9	93.2	94.0	94.1	94.6	95.4	96.0	97.0	97.5	97.5	98.1	98.1	98.6	98.7
≥ 200	86.3	89.9	91.9	93.3	94.1	94.2	94.7	95.5	96.1	97.1	97.7	98.0	98.6	98.7	99.2	99.4
≥ 100	86.3	89.9	91.9	93.3	94.1	94.2	94.7	95.5	96.1	97.1	97.7	98.0	98.6	98.7	99.2	99.7
0	86.3	89.9	91.9	93.3	94.1	94.2	94.7	95.5	96.1	97.1	97.7	98.0	98.6	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	[illegible]	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	≥0
NO CEILING	57.3	57.5	57.5	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	63.5	63.8	63.9	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
≥ 18000	63.9	64.1	64.2	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	63.9	64.1	64.2	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	64.3	64.5	64.6	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 12000	66.6	66.8	66.9	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	70.3	70.5	70.8	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	70.8	71.0	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	73.4	73.7	74.0	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 7000	74.7	74.9	75.3	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	75.6	75.8	76.1	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	78.2	78.8	79.1	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	78.6	79.2	79.6	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4000	80.4	81.3	81.6	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	81.6	82.6	82.9	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	82.0	83.1	83.7	83.9	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	82.7	84.0	84.7	85.1	85.4	85.5	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	83.1	84.5	85.3	85.6	85.9	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	83.2	84.7	85.5	85.8	86.1	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500	83.9	85.5	86.2	86.8	87.2	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	84.5	86.3	87.3	88.1	88.5	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	85.3	87.3	88.4	89.2	89.8	89.9	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 900	85.3	87.5	88.6	89.5	90.0	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.8	90.8	90.8
≥ 800	85.4	88.0	89.0	89.9	90.6	90.8	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.5	91.7
≥ 700	85.6	88.3	89.4	90.3	91.3	91.4	91.9	92.0	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.7
≥ 600	86.1	88.8	89.9	91.1	92.0	92.2	92.8	92.9	93.2	93.2	93.3	93.3	93.3	93.4	93.5	93.8
≥ 500	86.1	88.9	90.1	91.4	92.4	92.5	93.3	93.4	93.9	94.0	94.4	94.5	94.8	95.3	95.4	95.6
≥ 400	86.1	88.9	90.2	91.7	92.7	92.8	93.8	94.0	94.4	94.7	95.2	95.4	95.7	96.1	96.2	96.4
≥ 300	86.1	89.1	90.4	91.9	93.0	93.2	94.2	94.6	95.3	95.6	96.0	96.2	96.6	97.0	97.1	97.6
≥ 200	86.2	89.2	90.9	92.4	93.6	93.7	94.6	95.1	95.7	96.0	96.5	96.7	97.1	97.8	98.0	98.6
≥ 100	86.2	89.2	90.9	92.4	93.6	93.7	94.6	95.1	95.7	96.1	96.7	97.0	97.5	98.3	98.6	99.4
≥ 0	86.2	89.2	90.9	92.4	93.6	93.7	94.6	95.1	95.7	96.1	96.8	97.1	97.6	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC [illegible]64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	59.5	60.3	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.5	60.5
≥ 20000	63.7	64.2	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.7	64.7
≥ 18000	64.0	64.5	64.5	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	65.1	65.1
≥ 16000	64.0	64.5	64.5	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	65.1	65.1
≥ 14000	64.7	65.3	65.3	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.8	65.8
≥ 12000	66.6	67.1	67.1	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.6	67.6
≥ 10000	68.9	69.5	69.5	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.0	70.0
≥ 9000	69.1	69.7	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.2	70.2
≥ 8000	71.2	71.9	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.5	72.5
≥ 7000	72.3	73.0	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.5	73.5
≥ 6000	73.5	74.3	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9
≥ 5000	75.7	76.8	76.8	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.4	77.4
≥ 4500	76.2	77.3	77.3	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	78.0	78.0
≥ 4000	78.0	79.2	79.2	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9
≥ 3500	79.5	80.8	80.8	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.4	81.4
≥ 3000	81.0	82.5	82.7	82.9	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.5	83.5
≥ 2500	81.6	83.2	83.5	83.8	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.4	84.4
≥ 2000	82.5	84.1	84.4	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.3	85.3
≥ 1800	82.8	84.4	84.7	84.9	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.6	85.6
≥ 1500	84.0	85.7	86.0	86.2	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.9	86.9
≥ 1200	84.6	86.5	86.8	87.0	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.7	87.7
≥ 1000	85.3	87.2	87.6	88.2	88.8	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.4	89.4	89.5	89.5
≥ 900	85.3	87.2	87.6	88.2	88.8	88.8	88.9	89.1	89.1	89.2	89.2	89.2	89.5	89.5	89.6	89.6
≥ 800	85.3	87.3	87.7	88.4	89.0	89.0	89.4	89.6	89.6	89.9	90.2	90.2	90.4	90.4	90.5	90.5
≥ 700	85.3	87.6	88.2	89.0	89.7	89.7	90.1	90.5	90.5	90.9	91.2	91.2	91.4	91.4	91.5	91.5
≥ 600	85.4	88.1	88.6	89.6	90.2	90.2	90.6	91.3	91.3	91.6	92.0	92.2	92.4	92.4	92.5	92.5
≥ 500	85.7	88.6	89.1	90.1	90.8	90.8	91.3	91.9	92.0	92.5	93.5	93.8	94.2	94.2	94.4	94.4
≥ 400	85.9	89.0	89.7	90.8	91.4	91.4	91.9	92.9	93.0	93.5	94.6	94.8	95.3	95.3	95.5	95.5
≥ 300	86.0	89.2	90.4	91.6	92.3	92.5	93.1	94.1	94.2	94.7	95.8	96.0	96.5	96.5	96.7	97.0
≥ 200	86.0	89.2	90.6	91.8	92.6	92.8	93.4	94.6	94.8	95.6	97.0	97.2	98.1	98.3	98.7	99.0
≥ 100	86.0	89.4	90.8	91.9	92.7	92.9	93.5	94.7	94.9	95.8	97.2	97.4	98.3	98.5	99.4	99.7
≥ 0	86.0	89.4	90.8	91.9	92.7	92.9	93.5	94.7	94.9	95.8	97.2	97.4	98.3	98.5	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL (HOURS LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	55.5	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	62.8	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5
≥ 18000	63.1	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	63.1	63.5	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9
≥ 14000	63.8	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6
≥ 12000	65.7	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000	68.9	69.3	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7
≥ 9000	69.4	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3
≥ 8000	71.6	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	72.7	73.3	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8
≥ 6000	73.7	74.3	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9
≥ 5000	75.5	76.3	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9
≥ 4500	76.0	76.8	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.5
≥ 4000	77.8	78.7	79.0	79.1	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5
≥ 3500	78.6	79.6	79.8	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.4
≥ 3000	80.0	81.2	81.6	81.8	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.3	82.3	82.4	82.4
≥ 2500	80.5	82.0	82.4	82.6	82.8	82.9	83.0	83.0	83.0	83.1	83.2	83.2	83.3	83.3	83.3	83.3
≥ 2000	81.3	83.0	83.5	83.7	84.0	84.0	84.1	84.2	84.2	84.3	84.4	84.4	84.5	84.5	84.5	84.5
≥ 1800	81.7	83.3	83.8	84.1	84.4	84.4	84.5	84.6	84.6	84.7	84.7	84.8	84.9	84.9	84.9	84.9
≥ 1500	83.0	84.8	85.3	85.7	86.1	86.1	86.2	86.3	86.3	86.5	86.5	86.5	86.7	86.7	86.7	86.7
≥ 1200	83.5	85.6	86.2	86.7	87.1	87.1	87.3	87.4	87.4	87.5	87.6	87.6	87.7	87.7	87.7	87.7
≥ 1000	84.1	86.6	87.4	87.9	88.4	88.5	88.7	88.9	89.0	89.2	89.2	89.2	89.4	89.4	89.4	89.4
≥ 900	84.3	86.9	87.7	88.2	88.7	88.8	89.1	89.4	89.4	89.6	89.7	89.7	89.9	89.9	89.9	89.9
≥ 800	84.4	87.2	88.0	88.6	89.2	89.3	89.7	90.0	90.1	90.4	90.5	90.6	91.0	91.0	91.1	91.1
≥ 700	84.7	87.5	88.4	89.1	89.7	89.9	90.3	90.7	90.9	91.2	91.4	91.5	91.9	91.9	92.0	92.0
≥ 600	84.9	87.9	88.9	89.6	90.3	90.5	91.0	91.4	91.6	92.0	92.2	92.3	92.7	92.7	92.8	92.9
≥ 500	85.1	88.3	89.4	90.3	91.0	91.2	91.8	92.3	92.6	93.1	93.6	93.7	94.3	94.4	94.6	94.6
≥ 400	85.2	88.5	89.8	90.8	91.7	91.8	92.5	93.1	93.5	94.1	94.6	94.7	95.3	95.5	95.8	96.0
≥ 300	85.3	88.8	90.2	91.3	92.3	92.5	93.3	94.0	94.4	95.2	95.8	95.9	96.7	96.8	97.1	97.4
≥ 200	85.4	88.9	90.4	91.5	92.6	92.8	93.6	94.5	94.9	95.8	96.5	96.7	97.7	98.0	98.4	98.9
≥ 100	85.4	89.0	90.4	91.5	92.6	92.8	93.6	94.5	94.9	95.9	96.6	96.8	97.9	98.2	98.8	99.6
≥ 0	85.4	89.0	90.4	91.5	92.6	92.8	93.6	94.5	94.9	95.9	96.6	96.8	97.9	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	57.8	57.9	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	63.2	63.3	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	63.6	63.7	63.8	63.8	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	63.8	63.9	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000	64.6	64.7	64.8	64.8	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	65.1	65.2	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 10000	67.1	67.2	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000	68.2	68.3	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	69.8	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	71.2	71.3	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.9	71.9
≥ 6000	72.2	72.3	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.8	72.9	72.9
≥ 5000	74.3	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.9	75.0	75.0
≥ 4500	75.0	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.6	75.7	75.7
≥ 4000	76.6	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.1	77.2	77.2
≥ 3500	77.6	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.4	78.4
≥ 3000	80.2	80.9	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.6	81.6
≥ 2500	81.6	82.3	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.9	83.0	83.0
≥ 2000	82.7	84.0	84.3	84.4	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.1	85.2	85.2
≥ 1800	82.7	84.0	84.3	84.4	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.1	85.2	85.2
≥ 1500	83.4	84.9	85.2	85.4	85.4	85.4	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.1	86.2	86.2
≥ 1200	84.8	86.4	86.8	87.0	87.1	87.1	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.8	87.9	87.9
≥ 1000	85.7	87.3	87.7	88.0	88.1	88.1	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.8	88.9	88.9
≥ 900	86.0	88.1	88.6	89.0	89.1	89.1	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.8	89.9	89.9
≥ 800	86.2	88.3	88.8	89.2	89.3	89.3	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.1	90.2	90.2
≥ 700	86.3	88.8	89.3	89.9	90.0	90.0	90.3	90.7	90.7	91.1	91.1	91.1	91.1	91.2	91.3	91.3
≥ 600	86.7	89.1	89.8	90.3	90.4	90.4	90.8	91.2	91.2	91.7	91.8	91.8	91.8	91.9	92.0	92.0
≥ 500	86.8	89.8	90.4	91.1	91.3	91.3	91.7	92.4	92.4	92.9	93.0	93.1	93.1	93.2	93.3	93.3
≥ 400	87.1	90.6	91.2	91.9	92.2	92.2	92.8	93.8	93.8	94.2	94.4	94.6	94.6	94.8	94.9	95.0
≥ 300	87.4	91.1	91.9	92.7	93.1	93.1	93.8	95.1	95.2	95.7	95.9	96.0	96.0	96.2	96.3	96.4
≥ 200	87.4	91.3	92.1	92.9	93.8	93.8	94.8	96.1	96.2	97.0	97.7	97.9	98.1	98.8	98.9	99.2
≥ 100	87.4	91.3	92.1	92.9	93.8	93.8	94.8	96.1	96.2	97.0	97.8	98.0	98.4	99.1	99.3	99.9
≥ 0	87.4	91.3	92.1	92.9	93.8	93.8	94.8	96.1	96.2	97.0	97.8	98.0	98.4	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	56.1	56.3	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
≥ 20000	61.4	61.9	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6	62.6
≥ 18000	61.6	62.0	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7
≥ 16000	61.9	62.3	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0
≥ 14000	62.2	62.7	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3
≥ 12000	63.2	63.7	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.6	64.6
≥ 10000	65.0	65.4	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.3	66.3
≥ 9000	65.9	66.3	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.2	67.2
≥ 8000	67.9	68.3	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.2	69.2
≥ 7000	68.4	68.9	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.8	69.8
≥ 6000	69.9	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.2	71.2
≥ 5000	72.9	73.6	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.6	74.6
≥ 4500	73.7	74.3	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.3	75.3
≥ 4000	75.6	76.2	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.2	77.2
≥ 3500	76.4	77.1	77.4	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	78.1	78.1
≥ 3000	79.0	79.8	80.1	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.9	80.9
≥ 2500	80.0	81.1	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.7	82.7
≥ 2000	81.4	82.8	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.3	84.3
≥ 1800	81.8	83.1	83.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.8	84.8
≥ 1500	83.1	84.7	85.7	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.6	86.6
≥ 1200	84.2	85.8	86.9	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.9	87.9
≥ 1000	84.9	86.7	87.9	88.3	88.4	88.4	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9	89.1	89.1
≥ 900	85.0	87.1	88.3	88.8	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.3	89.3	89.3	89.6	89.6
≥ 800	85.2	87.4	88.7	89.1	89.2	89.2	89.6	89.8	89.8	89.9	89.9	90.0	90.0	90.0	90.2	90.2
≥ 700	85.4	87.7	88.9	89.3	89.4	89.4	89.8	90.0	90.0	90.1	90.1	90.2	90.2	90.2	90.4	90.4
≥ 600	85.6	88.0	89.2	89.8	89.9	89.9	90.2	90.4	90.4	90.7	90.7	90.8	90.8	90.8	91.0	91.0
≥ 500	85.7	88.3	89.7	90.2	90.4	90.4	90.8	91.0	91.0	91.2	91.2	91.3	91.3	91.6	91.8	91.9
≥ 400	86.2	89.3	90.8	91.4	91.8	91.8	92.4	92.7	92.7	93.0	93.0	93.1	93.1	93.3	93.6	93.7
≥ 300	86.6	89.9	91.7	92.3	93.0	93.0	93.8	94.0	94.0	94.9	94.9	95.1	95.1	95.3	95.6	96.0
≥ 200	86.6	89.9	91.8	92.4	93.6	93.6	94.7	95.1	95.1	96.3	96.7	97.0	97.0	97.2	97.4	98.6
≥ 100	86.6	89.9	91.8	92.4	93.6	93.6	94.7	95.2	95.2	96.6	97.0	97.4	97.6	97.8	98.0	99.3
≥ 0	86.6	89.9	91.8	92.4	93.6	93.6	94.7	95.2	95.2	96.6	97.0	97.4	97.7	98.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	50.2	50.7	50.8	50.8	51.0	51.0	51.0	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.4
≥ 20000	57.1	57.8	57.9	57.9	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.6
≥ 18000	57.6	58.2	58.3	58.3	58.6	58.6	58.6	58.7	58.7	58.8	58.8	58.8	58.9	58.9	58.9	59.0
≥ 16000	57.8	58.4	58.6	58.6	58.8	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.2
≥ 14000	58.4	59.1	59.2	59.2	59.4	59.4	59.4	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.9
≥ 12000	59.8	60.6	60.7	60.9	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.4	61.6	61.6	61.6	61.7
≥ 10000	63.0	63.9	64.0	64.2	64.6	64.6	64.6	64.7	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.0
≥ 9000	63.8	64.7	64.8	65.0	65.3	65.3	65.3	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.8
≥ 8000	65.9	67.0	67.2	67.4	67.8	67.8	67.8	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.2
≥ 7000	66.7	67.8	68.0	68.2	68.6	68.6	68.6	68.7	68.7	68.8	68.8	68.8	68.9	68.9	68.9	69.0
≥ 6000	67.4	68.6	68.8	69.0	69.3	69.3	69.3	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.8
≥ 5000	69.3	70.7	70.9	71.1	71.4	71.6	71.7	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.1
≥ 4500	70.3	71.7	71.9	72.1	72.4	72.6	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.1
≥ 4000	72.3	73.7	74.1	74.4	74.9	75.0	75.1	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.6
≥ 3500	72.9	74.3	74.8	75.1	75.6	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.3
≥ 3000	74.9	76.3	77.1	77.6	78.2	78.3	78.6	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.1
≥ 2500	76.3	77.9	78.8	79.3	80.1	80.2	80.4	80.7	80.7	80.8	80.9	80.9	81.0	81.0	81.0	81.1
≥ 2000	78.0	79.7	80.7	81.2	82.0	82.1	82.3	82.6	82.7	82.8	82.9	82.9	83.0	83.0	83.0	83.1
≥ 1800	78.3	80.0	81.0	81.6	82.3	82.4	82.7	82.9	83.0	83.1	83.2	83.2	83.3	83.3	83.3	83.4
≥ 1500	79.4	81.3	82.4	83.0	83.8	84.0	84.2	84.4	84.6	84.7	84.8	84.8	84.9	84.9	84.9	85.0
≥ 1200	80.6	82.6	83.8	84.4	85.3	85.6	85.8	86.0	86.1	86.2	86.4	86.4	86.6	86.6	86.6	86.7
≥ 1000	81.2	83.4	84.8	85.6	86.7	87.0	87.2	87.4	87.6	87.7	87.9	87.9	88.0	88.0	88.0	88.1
≥ 900	81.4	83.7	85.0	85.8	86.9	87.2	87.6	87.8	87.9	88.0	88.2	88.2	88.3	88.3	88.3	88.4
≥ 800	81.7	84.0	85.4	86.2	87.3	87.7	88.0	88.2	88.3	88.4	88.7	88.7	88.8	88.8	88.8	88.9
≥ 700	82.1	84.7	86.1	87.0	88.1	88.4	88.9	89.1	89.2	89.6	89.9	89.9	90.0	90.1	90.1	90.2
≥ 600	82.4	85.1	86.7	87.7	88.9	89.2	89.7	90.1	90.2	90.6	90.9	90.9	91.0	91.1	91.1	91.4
≥ 500	82.7	85.8	87.4	88.6	89.9	90.2	90.8	91.3	91.4	91.9	92.3	92.6	92.9	93.0	93.0	93.3
≥ 400	82.7	86.3	88.1	89.3	90.9	91.2	91.9	92.6	92.9	93.4	94.1	94.3	94.7	94.8	95.0	95.3
≥ 300	82.9	86.7	88.7	89.9	91.6	91.9	92.6	93.8	94.2	94.8	95.6	95.8	96.1	96.2	96.4	96.8
≥ 200	83.1	86.9	88.9	90.2	92.2	92.6	93.3	94.8	95.3	96.0	97.0	97.2	97.7	97.9	98.2	98.6
≥ 100	83.1	86.9	88.9	90.2	92.2	92.6	93.3	94.9	95.4	96.3	97.6	97.8	98.2	98.6	99.2	99.6
< 100	83.1	86.9	88.9	90.2	92.2	92.6	93.3	94.9	95.4	96.3	97.6	97.8	98.2	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	60.9	61.3	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	61.4
≥ 9000	61.0	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000	62.3	63.0	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
≥ 7000	64.6	65.3	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
≥ 6000	65.3	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
≥ 5000	67.1	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
≥ 4500	68.7	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
≥ 4000	71.0	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	73.1	74.0	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
≥ 3000	76.1	77.0	77.7	78.0	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2500	77.7	78.7	79.4	79.9	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	79.9	81.6	82.3	82.9	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	80.0	82.0	82.8	83.3	83.7	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	81.4	83.4	84.2	84.8	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1200	82.9	85.6	86.4	87.1	87.6	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	84.1	87.2	88.1	88.8	89.2	89.2	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	84.6	87.8	88.8	89.4	89.9	89.9	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	85.3	88.9	89.9	90.6	91.0	91.0	91.1	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 700	85.6	89.4	90.6	91.2	91.7	91.7	91.8	91.8	92.4	92.4	92.9	92.9	92.9	92.9	93.0	93.0
≥ 600	85.7	89.8	91.0	91.7	92.1	92.1	92.2	92.2	92.9	92.9	93.3	93.3	93.3	93.3	93.4	93.4
≥ 500	85.9	90.3	91.9	92.7	93.6	93.7	93.9	94.0	94.7	94.7	95.3	95.3	95.3	95.3	95.4	95.4
≥ 400	85.9	90.6	92.3	93.3	94.4	94.6	95.0	95.1	95.8	95.9	96.7	96.9	96.9	96.9	97.0	97.0
≥ 300	85.9	90.6	92.4	93.7	95.1	95.2	95.9	96.2	96.9	97.0	97.9	98.1	98.2	98.4	98.6	98.6
≥ 200	85.9	90.6	92.4	93.7	95.1	95.2	96.1	96.7	97.4	97.7	98.6	98.8	98.9	99.1	99.4	99.4
≥ 100	85.9	90.6	92.4	93.7	95.1	95.2	96.1	96.7	97.4	97.7	98.6	98.8	99.0	99.3	99.9	99.9
0	85.9	90.6	92.4	93.7	95.1	95.2	96.1	96.7	97.4	97.7	98.6	98.8	99.0	99.3	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	54.9	55.0	55.0	55.0	55.0	55.0	55.0	56.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 18000	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000	56.7	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
≥ 10000	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	60.3	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	60.7
≥ 8000	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	64.0	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
≥ 6000	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 5000	66.9	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	67.8	67.8
≥ 4500	68.6	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
≥ 4000	72.7	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
≥ 3500	75.7	76.9	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
≥ 3000	79.1	80.7	81.0	81.0	81.0	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	81.9	83.7	84.0	84.0	84.0	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000	83.4	85.7	86.0	86.0	86.1	86.1	86.3	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1800	83.7	85.9	86.2	86.2	86.3	86.3	86.6	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500	84.9	87.3	87.7	87.8	87.9	87.9	88.2	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1200	86.7	89.2	89.7	89.9	90.1	90.1	90.4	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	88.0	90.6	91.0	91.4	91.7	91.7	92.0	92.7	92.7	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	88.8	91.7	92.1	92.7	92.9	92.9	93.2	93.9	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 800	89.1	92.1	92.6	93.1	93.3	93.3	93.7	94.3	94.3	95.0	95.1	95.2	95.2	95.2	95.2	95.2
≥ 700	89.1	92.1	92.8	93.4	93.7	93.7	94.0	94.7	94.7	95.3	95.4	95.6	95.6	95.6	95.6	95.6
≥ 600	89.1	92.1	92.8	94.0	94.2	94.2	94.6	95.3	95.3	96.1	96.3	96.4	96.4	96.4	96.4	96.4
≥ 500	89.1	92.1	92.9	94.2	94.4	94.4	94.8	95.6	95.9	96.7	97.2	97.3	97.3	97.4	97.4	97.4
≥ 400	89.1	92.2	93.0	94.6	94.8	94.8	95.4	96.2	96.7	97.4	98.0	98.1	98.1	98.2	98.2	98.2
≥ 300	89.1	92.2	93.0	94.7	94.9	94.9	95.7	96.7	97.2	98.1	98.8	98.9	99.1	99.2	99.2	99.2
≥ 200	89.1	92.2	93.0	94.7	95.0	95.0	95.9	97.1	97.8	98.7	99.6	99.7	99.9	100.0	100.0	100.0
≥ 100	89.1	92.2	93.0	94.7	95.0	95.0	95.9	97.1	97.8	98.7	99.6	99.7	99.9	100.0	100.0	100.0
≥ 0	89.1	92.2	93.0	94.7	95.0	95.0	95.9	97.1	97.8	98.7	99.6	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS L.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥¼	≥0
NO CEILING	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 16000	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 9000	61.1	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
≥ 8000	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 7000	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 6000	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	67.8
≥ 5000	70.1	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
≥ 4500	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
≥ 4000	76.0	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
≥ 3500	79.2	80.3	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
≥ 3000	82.6	84.4	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	83.9	86.2	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	85.8	88.6	89.1	89.3	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
≥ 1800	85.8	88.6	89.1	89.3	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
≥ 1500	86.6	89.7	90.3	90.6	90.6	90.6	90.8	90.9	90.9	91.0	91.0	91.1	91.1	91.1	91.1
≥ 1200	88.0	91.2	91.9	92.1	92.1	92.1	92.4	92.8	92.8	92.9	93.0	93.1	93.1	93.1	93.1
≥ 1000	88.7	92.2	92.9	93.1	93.1	93.1	93.4	93.8	93.8	94.0	94.1	94.2	94.2	94.3	94.3
≥ 900	89.3	92.9	93.6	94.0	94.0	94.0	94.3	94.7	94.7	94.9	95.0	95.1	95.1	95.2	95.2
≥ 800	89.4	93.3	94.1	94.6	94.6	94.6	94.9	95.2	95.2	95.7	96.0	96.1	96.2	96.3	96.3
≥ 700	89.5	93.6	94.4	95.1	95.1	95.1	95.4	95.8	95.8	96.3	96.7	96.8	96.9	97.0	97.0
≥ 600	89.9	93.7	94.7	95.6	95.6	95.6	95.9	96.2	96.2	96.8	97.1	97.2	97.3	97.4	97.4
≥ 500	89.9	94.0	95.0	96.0	96.0	96.0	96.3	96.7	96.7	97.3	97.7	97.8	97.9	98.0	98.0
≥ 400	89.9	94.0	95.1	96.2	96.2	96.2	96.6	96.9	96.9	97.6	98.1	98.2	98.3	98.4	98.4
≥ 300	89.9	94.0	95.1	96.2	96.2	96.2	96.6	96.9	96.9	97.6	98.6	98.8	98.9	99.0	99.0
≥ 200	89.9	94.0	95.1	96.2	96.3	96.3	96.7	97.1	97.1	98.3	99.3	99.6	99.9	99.9	100.0
≥ 100	89.9	94.0	95.1	96.2	96.3	96.3	96.7	97.1	97.1	98.3	99.3	99.6	99.9	99.9	100.0
≥ 0	89.9	94.0	95.1	96.2	96.3	96.3	96.7	97.1	97.1	98.3	99.3	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	<¼
NO CEILING	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 15000	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 14000	59.5	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
≥ 12000	61.1	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
≥ 10000	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 9000	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 8000	68.0	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	68.2
≥ 7000	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	70.0
≥ 6000	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	71.4	71.4
≥ 5000	72.7	73.1	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
≥ 4500	74.3	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
≥ 4000	77.8	78.6	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3500	80.3	81.5	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	82.2	84.2	84.4	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500	83.2	85.4	85.8	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
≥ 2000	85.1	88.0	88.4	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	85.5	88.4	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	89.4
≥ 1500	87.1	90.0	90.8	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
≥ 1200	87.8	90.9	91.7	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.7	92.7	92.7	92.7
≥ 1000	88.3	91.4	92.2	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2
≥ 900	89.0	92.2	93.0	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0
≥ 800	89.0	92.5	93.3	93.8	94.0	94.0	94.0	94.1	94.1	94.5	94.5	94.5	94.9	94.9	94.9	94.9
≥ 700	89.2	92.8	93.5	94.0	94.2	94.2	94.2	94.3	94.3	94.8	94.8	94.8	95.1	95.1	95.1	95.1
≥ 600	89.3	92.9	93.8	94.4	94.8	94.8	94.8	94.9	94.9	95.6	95.6	95.6	95.9	95.9	95.9	95.9
≥ 500	89.3	92.9	93.8	94.5	94.9	94.9	94.9	95.1	95.2	95.9	95.9	95.9	96.2	96.2	96.2	96.2
≥ 400	89.8	93.3	94.2	95.1	95.4	95.4	95.4	95.8	95.9	96.7	96.7	96.7	97.0	97.0	97.0	97.0
≥ 300	90.3	93.9	94.9	95.9	96.3	96.3	96.4	97.2	97.6	98.3	98.3	98.4	98.8	98.8	98.8	98.8
≥ 200	90.0	93.9	95.1	96.1	96.7	96.7	96.8	97.6	97.9	98.9	99.1	99.4	99.9	99.9	99.9	99.9
≥ 100	90.0	93.9	95.1	96.1	96.7	96.7	96.8	97.6	97.9	98.9	99.1	99.4	100.0	100.0	100.0	100.0
≥ 0	90.0	93.9	95.1	96.1	96.7	96.7	96.8	97.6	97.9	98.9	99.1	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	57.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	62.9	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	63.0	63.2	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	63.7	63.9	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
≥ 14000	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 12000	64.6	64.8	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	66.9	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	67.4	67.7	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 8000	69.9	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	71.2	71.4	71.6	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
≥ 6000	73.1	73.3	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	75.3	75.6	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	76.1	76.3	76.6	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
≥ 4000	78.7	78.9	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	80.2	80.9	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	81.8	82.7	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	83.1	84.2	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2000	83.9	85.0	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	84.1	85.3	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
≥ 1500	85.7	87.2	87.7	87.8	87.8	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	86.2	88.2	88.8	88.9	89.1	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1000	86.9	89.2	89.8	90.0	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 900	87.4	89.9	90.6	91.1	91.3	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	88.1	90.7	91.7	92.2	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 700	88.4	91.1	92.2	92.8	93.0	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6
≥ 600	88.6	91.3	92.4	93.0	93.2	93.2	93.4	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 500	88.7	92.0	93.4	94.0	94.2	94.2	94.4	95.0	95.0	95.0	95.0	95.2	95.3	95.3	95.3	95.3
≥ 400	88.7	92.1	93.6	94.1	94.4	94.4	94.7	95.7	95.7	95.8	95.8	96.0	96.1	96.1	96.1	96.1
≥ 300	88.8	92.8	94.4	95.2	95.8	95.8	96.0	97.2	97.3	97.4	97.7	98.1	98.2	98.2	98.2	98.2
≥ 200	88.8	92.8	94.4	95.2	95.9	95.9	96.2	97.7	98.0	98.6	98.8	99.3	99.4	99.7	99.7	99.7
≥ 100	88.8	92.8	94.4	95.2	95.9	95.9	96.3	97.8	98.1	98.7	99.0	99.6	99.8	99.9	99.9	99.9
≥ 0	88.8	92.8	94.4	95.2	95.9	95.9	96.3	97.8	98.1	98.7	99.1	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥¼	≥⅛	≥0
NO CEILING	51.1	51.3	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	58.5	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 14000	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 12000	60.7	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3
≥ 10000	63.5	63.8	63.9	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
≥ 9000	64.2	64.5	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
≥ 8000	66.3	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	67.8	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6
≥ 6000	69.0	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9
≥ 5000	71.1	71.7	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1
≥ 4500	72.2	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3
≥ 4000	75.1	75.8	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3
≥ 3500	76.9	77.9	78.1	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6
≥ 3000	79.5	80.7	81.2	81.4	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8
≥ 2500	81.0	82.4	83.0	83.2	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7
≥ 2000	82.5	84.4	85.0	85.3	85.5	85.5	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9
≥ 1800	82.7	84.7	85.2	85.6	85.7	85.7	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2
≥ 1500	84.0	86.1	86.7	87.1	87.3	87.3	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8
≥ 1200	85.1	87.5	88.2	88.6	88.9	88.9	89.1	89.2	89.3	89.4	89.4	89.5	89.5	89.5	89.6	89.6
≥ 1000	86.0	88.5	89.3	89.7	90.0	90.1	90.3	90.5	90.5	90.7	90.7	90.7	90.8	90.8	90.9	90.9
≥ 900	86.4	89.2	90.0	90.5	90.8	90.9	91.1	91.3	91.3	91.5	91.5	91.5	91.6	91.6	91.7	91.7
≥ 800	86.8	89.7	90.6	91.1	91.4	91.4	91.7	91.9	92.0	92.2	92.3	92.4	92.5	92.5	92.5	92.5
≥ 700	87.0	90.0	91.0	91.6	91.9	91.9	92.2	92.5	92.6	92.9	93.0	93.1	93.2	93.2	93.3	93.3
≥ 600	87.2	90.2	91.3	92.1	92.4	92.4	92.7	93.0	93.1	93.5	93.7	93.7	93.8	93.8	93.9	93.9
≥ 500	87.2	90.7	91.8	92.7	93.1	93.2	93.4	93.9	94.0	94.4	94.7	94.8	94.9	95.0	95.1	95.1
≥ 400	87.4	91.1	92.3	93.2	93.8	93.8	94.3	94.8	95.0	95.5	95.8	96.0	96.1	96.2	96.3	96.3
≥ 300	87.6	91.4	92.8	93.8	94.5	94.6	95.1	95.9	96.2	96.7	97.2	97.4	97.6	97.7	97.8	97.9
≥ 200	87.6	91.4	92.9	93.9	94.8	94.9	95.6	96.5	96.9	97.7	98.3	98.6	98.9	99.1	99.2	99.4
≥ 100	87.6	91.4	92.9	93.9	94.8	94.9	95.6	96.6	96.9	97.8	98.5	98.8	99.1	99.3	99.5	99.8
0	87.6	91.4	92.9	93.9	94.8	94.9	95.6	96.6	96.9	97.8	98.5	98.8	99.1	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (LOCAL TIME)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥½	≥⅜	≥0
NO CEILING	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	66.1	66.3	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
≥ 18000	66.1	66.3	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
≥ 16000	66.1	66.3	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
≥ 14000	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	67.6	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000	72.2	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
≥ 9000	72.9	73.1	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
≥ 8000	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 7000	76.5	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
≥ 6000	79.1	79.4	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
≥ 5000	82.4	82.6	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
≥ 4500	84.1	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
≥ 4000	85.3	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	86.1
≥ 3500	86.0	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
≥ 3000	87.4	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	88.5	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	89.5	89.5
≥ 2000	89.5	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	91.2
≥ 1800	89.5	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	91.2
≥ 1500	90.4	92.4	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
≥ 1200	90.9	92.9	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
≥ 1000	91.5	93.9	94.0	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
≥ 900	91.6	94.0	94.1	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
≥ 800	92.0	94.6	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
≥ 700	92.0	94.7	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
≥ 600	92.2	94.9	95.1	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
≥ 500	92.8	96.2	96.5	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	92.9	97.3	97.7	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	92.9	97.4	97.8	98.4	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	92.9	97.6	98.1	98.7	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 100	92.9	97.7	98.2	98.8	99.2	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0
≥ 0	92.9	97.7	98.2	98.8	99.2	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.4
≥ 20000	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.1
≥ 18000	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.1
≥ 16000	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.1
≥ 14000	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.4
≥ 12000	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.5
≥ 10000	69.7	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.5
≥ 9000	70.5	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.4
≥ 8000	72.5	73.1	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.5
≥ 7000	73.0	73.7	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.1
≥ 6000	74.6	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.7
≥ 5000	78.0	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.9	79.0
≥ 4500	80.2	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.7
≥ 4000	81.6	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.2
≥ 3500	82.5	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.1
≥ 3000	83.9	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.6
≥ 2500	84.8	86.1	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.7
≥ 2000	86.3	88.1	88.2	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.7
≥ 1800	86.3	88.3	88.4	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.9
≥ 1500	87.6	89.8	89.9	90.0	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.4
≥ 1200	88.4	90.5	90.8	90.9	90.9	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.5
≥ 1000	88.9	91.4	91.6	92.0	92.2	92.3	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.9	93.0
≥ 900	89.5	92.0	92.3	92.7	92.8	92.9	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.7
≥ 800	89.8	92.6	92.8	93.3	93.4	93.5	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.3
≥ 700	89.8	92.7	92.9	93.7	93.9	94.0	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.6	94.7
≥ 600	89.9	92.9	93.1	93.9	94.2	94.3	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.9	95.1
≥ 500	90.3	93.9	94.2	95.1	95.5	95.6	95.9	96.1	96.1	96.3	96.5	96.5	96.5	96.6	96.7
≥ 400	90.6	94.3	94.8	95.7	96.2	96.3	96.7	97.3	97.3	97.5	97.6	97.6	97.6	97.7	97.8
≥ 300	90.6	94.4	94.9	95.9	96.5	96.6	97.0	97.6	97.6	97.8	98.1	98.1	98.1	98.2	98.3
≥ 200	90.6	94.6	95.2	96.2	96.9	97.0	97.6	98.7	98.7	99.0	99.2	99.2	99.2	99.5	99.8
≥ 100	90.6	94.6	95.2	96.2	96.9	97.0	97.6	98.7	98.7	99.0	99.2	99.2	99.2	99.5	99.8
0	90.6	94.6	95.2	96.2	96.9	97.0	97.6	98.7	98.7	99.0	99.2	99.2	99.2	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (LOCAL TIME)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥½	≥¼	0
NO CEILING	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	60.9	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 18000	60.9	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 16000	61.0	61.3	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
≥ 14000	61.5	61.8	61.8	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.2
≥ 12000	63.1	63.8	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1
≥ 10000	68.3	69.0	69.0	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4
≥ 9000	69.2	70.0	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3
≥ 8000	72.0	72.9	72.9	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2
≥ 7000	72.7	73.5	73.5	73.5	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 6000	73.9	74.7	74.7	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1
≥ 5000	77.1	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4
≥ 4500	78.9	79.9	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4
≥ 4000	80.8	81.7	81.8	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 3500	81.4	82.4	82.5	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9
≥ 3000	82.9	84.2	84.6	84.7	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 2500	83.5	85.1	85.6	85.7	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1
≥ 2000	84.6	86.2	86.8	86.9	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
≥ 1800	84.6	86.2	86.8	86.9	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
≥ 1500	85.4	87.0	87.6	87.7	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2
≥ 1200	86.3	89.3	89.0	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
≥ 1000	87.3	90.3	91.2	91.4	91.5	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0
≥ 900	87.5	90.5	91.4	91.7	91.8	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4
≥ 800	87.5	91.0	91.8	92.3	92.4	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 700	87.6	91.2	92.0	92.6	92.7	92.7	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.5
≥ 600	87.8	91.5	92.6	93.2	93.4	93.4	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 500	88.0	92.2	93.2	94.2	94.9	95.1	95.7	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.3
≥ 400	88.0	92.2	93.5	94.6	95.4	95.5	96.1	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.1	97.2
≥ 300	88.0	92.2	93.7	94.7	95.6	95.7	96.5	97.1	97.3	98.0	98.1	98.1	98.1	98.1	98.3	98.4
≥ 200	88.0	92.2	93.7	94.7	95.8	95.9	97.0	97.6	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.6
≥ 100	88.0	92.2	93.7	94.7	95.8	95.9	97.0	97.7	98.2	99.2	99.4	99.5	99.5	99.5	99.7	100.0
≥ 0	88.0	92.2	93.7	94.7	95.8	95.9	97.0	97.7	98.2	99.2	99.4	99.5	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 18000	62.6	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
≥ 16000	62.6	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
≥ 14000	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	65.5	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
≥ 10000	69.2	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
≥ 9000	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 7000	74.0	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	74.7	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
≥ 5000	77.4	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
≥ 4500	78.3	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	81.2	81.8	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
≥ 3500	82.8	83.5	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3000	84.4	85.2	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500	86.0	86.8	87.0	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	86.7	87.5	87.7	88.0	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	87.1	88.2	88.4	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	87.6	88.7	88.9	89.2	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	89.2	91.0	91.5	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	90.1	92.4	93.0	93.3	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 900	90.4	93.0	93.7	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
≥ 800	90.4	93.4	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
≥ 700	90.4	93.5	94.3	94.7	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4
≥ 600	90.5	93.9	94.7	95.2	95.6	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9
≥ 500	90.6	94.4	95.4	96.0	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0
≥ 400	90.6	94.7	95.8	96.7	97.5	97.5	97.6	97.6	97.6	98.2	98.2	98.2	98.3	98.3	98.3
≥ 300	90.8	94.8	96.0	97.0	97.8	97.8	98.1	98.2	98.3	98.9	98.9	98.9	99.0	99.0	99.0
≥ 200	90.8	94.8	96.0	97.0	97.8	97.8	98.2	98.3	98.5	99.5	99.5	99.5	99.8	99.8	99.8
≥ 100	90.8	94.8	96.0	97.0	97.8	97.8	98.2	98.3	98.5	99.5	99.5	99.5	99.8	99.8	99.8	100.0
≥ 0	90.8	94.8	96.0	97.0	97.8	97.8	98.2	98.3	98.5	99.5	99.5	99.5	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	45.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	55.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	63.2	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	63.8
≥ 9000	63.8	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	64.5	64.5
≥ 8000	67.5	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
≥ 7000	68.8	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
≥ 6000	70.9	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
≥ 5000	74.7	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
≥ 4500	76.9	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
≥ 4000	81.4	82.3	82.3	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
≥ 3500	83.2	84.5	84.5	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
≥ 3000	85.9	87.3	87.4	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
≥ 2500	86.5	88.2	88.4	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
≥ 2000	87.8	90.1	90.4	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
≥ 1800	88.1	90.4	90.7	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	89.6	92.1	92.5	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
≥ 1200	90.7	93.5	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	91.7	94.7	95.2	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	92.1	95.5	95.9	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	92.2	95.8	96.2	96.9	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	92.4	95.9	96.3	97.0	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	92.4	95.9	96.3	97.0	97.5	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	92.4	95.9	96.4	97.2	97.8	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	92.5	96.0	96.6	97.3	98.0	98.5	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	92.5	96.0	96.6	97.4	98.1	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	92.5	96.0	96.7	97.6	98.4	98.9	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.5	96.0	96.7	97.6	98.4	98.9	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.5	96.0	96.7	97.6	98.4	98.9	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC (REV 1-64) 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	57.2	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
≥ 18000	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	59.2	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
≥ 12000	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 10000	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 9000	67.6	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
≥ 8000	71.3	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
≥ 7000	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	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	76.1	76.1
≥ 5000	79.2	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
≥ 4500	80.5	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
≥ 4000	85.4	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	86.3
≥ 3500	86.8	88.0	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
≥ 3000	88.5	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
≥ 2500	89.8	91.2	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
≥ 2000	91.3	92.9	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
≥ 1800	91.7	93.3	93.7	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
≥ 1500	92.9	94.8	95.2	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
≥ 1200	94.1	96.6	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	94.5	97.0	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
≥ 900	94.5	97.0	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	94.5	97.1	97.4	97.7	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	94.7	97.3	97.6	98.0	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	94.7	97.3	97.7	98.2	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	94.8	97.6	98.1	98.7	98.9	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	94.8	97.6	98.1	98.7	98.9	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	94.8	97.6	98.1	98.7	98.9	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.8	97.6	98.1	98.7	98.9	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.8	97.6	98.1	98.7	98.9	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.8	97.6	98.1	98.7	98.9	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥⅜	≥0
NO CEILING	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	71.1	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	71.4	71.4
≥ 9000	72.4	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	72.7
≥ 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
≥ 7000	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000	79.6	79.8	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
≥ 5000	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	83.9	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4000	86.3	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500	87.0	87.5	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	89.1	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	90.6	91.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	92.5	93.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	92.8	94.2	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	93.0	94.6	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	94.4	96.2	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	94.4	96.3	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	94.4	96.6	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	94.4	96.6	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	94.4	96.6	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	94.4	96.6	97.3	97.7	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	94.4	96.6	97.3	97.8	98.1	98.1	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	94.4	96.7	97.4	98.0	98.2	98.2	98.3	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	94.5	97.0	97.7	98.6	98.8	98.8	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	94.5	97.2	98.0	98.6	99.0	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.5	97.2	98.0	98.8	99.0	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.5	97.2	98.0	98.8	99.0	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	60.5	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	60.7
≥ 20000	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 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
≥ 16000	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
≥ 14000	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 12000	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
≥ 10000	75.2	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
≥ 9000	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	75.7	75.7	75.7
≥ 8000	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 7000	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
≥ 6000	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
≥ 5000	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4500	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	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
≥ 3500	88.9	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
≥ 3000	89.8	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
≥ 2500	91.3	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	92.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	92.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	93.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	93.9	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
≥ 900	93.9	95.9	95.9	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
≥ 800	93.9	96.0	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
≥ 700	94.0	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
≥ 600	94.2	96.6	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	96.7
≥ 500	94.3	97.6	97.6	97.6	97.7	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	94.5	98.3	98.4	98.6	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	94.5	98.3	98.4	98.7	98.9	98.9	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	94.5	98.6	98.7	99.1	99.4	99.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.5	98.6	98.7	99.1	99.4	99.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.5	98.6	98.7	99.1	99.4	99.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 16000	61.9	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 14000	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1
≥ 12000	64.5	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 9000	70.2	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8
≥ 8000	73.2	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	73.8
≥ 7000	74.3	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	76.2	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	76.9
≥ 5000	79.5	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4500	81.1	81.8	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	82.0
≥ 4000	83.8	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8
≥ 3500	84.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	86.5	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	87.6	88.8	89.1	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	88.9	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	90.9	91.0
≥ 1800	89.1	90.6	90.9	91.0	91.1	91.	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	89.9	91.7	92.0	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4
≥ 1200	90.9	93.0	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	91.5	94.0	94.4	94.6	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	91.7	94.3	94.7	95.0	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	91.9	94.6	95.0	95.4	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9
≥ 700	91.9	94.8	95.2	95.6	95.8	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	92.0	94.9	95.4	95.9	96.1	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	92.2	95.5	96.1	96.7	97.1	97.2	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8
≥ 400	92.3	95.9	96.5	97.2	97.7	97.8	98.0	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.6	98.6
≥ 300	92.3	96.0	96.7	97.4	97.9	98.1	98.3	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 200	92.3	96.1	96.8	97.6	98.2	98.3	98.6	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 100	92.3	96.1	96.8	97.6	98.2	98.3	98.7	99.1	99.3	99.7	99.7	99.7	99.8	99.8	99.9	100.0
≥ 0	92.3	96.1	96.8	97.6	98.2	98.3	98.7	99.1	99.3	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7436

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 20000	73.7	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
≥ 18000	74.0	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
≥ 16000	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 14000	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 12000	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	77.2
≥ 10000	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
≥ 9000	80.6	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
≥ 8000	83.9	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
≥ 7000	84.8	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
≥ 6000	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000	89.3	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
≥ 4500	90.9	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
≥ 4000	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	95.8	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
≥ 2500	95.8	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
≥ 2000	96.2	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
≥ 1800	96.2	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
≥ 1500	96.9	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
≥ 1200	96.9	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
≥ 1000	97.3	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
≥ 900	97.3	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
≥ 800	97.6	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	97.7	98.6	98.6	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	97.8	98.7	98.7	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	97.9	99.3	99.3	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	98.0	99.4	99.4	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	98.0	99.6	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.0	99.6	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ [illegible]	98.0	99.6	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1 7/8	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/16	≥1/8	0
UNLIMITED	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6
≥ 20000	72.9	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	73.2	73.2
≥ 18000	73.2	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	73.6	73.6
≥ 16000	73.2	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	73.6	73.6
≥ 14000	73.3	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7
≥ 12000	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
≥ 10000	79.3	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	79.8	79.8
≥ 9000	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
≥ 8000	84.0	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	84.4	84.4
≥ 7000	84.9	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	85.3	85.3
≥ 6000	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6
≥ 5000	89.3	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	89.8	89.8
≥ 4500	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	90.7	90.7
≥ 4000	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2
≥ 3500	93.0	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	93.4	93.4
≥ 3000	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	94.8	94.8
≥ 2500	94.4	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	95.0	95.0
≥ 2000	95.2	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	95.8	95.8
≥ 1800	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9
≥ 1500	95.8	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6
≥ 1200	95.9	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7
≥ 1000	96.2	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	97.0	97.0
≥ 900	96.3	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	97.2	97.2
≥ 800	96.4	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6
≥ 700	96.6	97.3	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
≥ 600	96.8	97.8	97.9	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
≥ 500	96.8	97.8	97.9	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9
≥ 400	96.8	98.1	98.3	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.6	99.6
≥ 300	96.8	98.1	98.3	99.0	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8
≥ 200	96.8	98.1	98.3	99.0	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100	96.8	98.1	98.3	99.0	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0	96.8	98.1	98.3	99.0	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82 JUN
(STATION NUMBER) (STATION NAME) (YEARS) (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥15/16	<1	<1	<1
NO CEILING	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	69.6
≥ 20000	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	74.1
≥ 18000	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	74.2
≥ 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
≥ 12000	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 10000	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	76.7	76.7
≥ 9000	80.0	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
≥ 8000	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 7000	83.2	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
≥ 6000	84.3	84.6	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
≥ 5000	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	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	87.9	87.9
≥ 4000	88.8	89.0	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
≥ 3500	90.1	90.3	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
≥ 3000	90.8	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	91.2	91.2
≥ 2500	92.2	92.6	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
≥ 2000	92.3	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	93.0	93.6	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
≥ 1500	93.4	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	94.4	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	94.7	95.4	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
≥ 900	94.9	96.1	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
≥ 800	95.1	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	95.2	96.4	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	95.3	96.6	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	95.3	96.7	97.4	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	95.3	96.7	97.6	98.2	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	95.6	97.0	97.9	98.6	98.7	98.7	98.8	98.9	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3
≥ 200	95.6	97.0	97.9	98.7	98.8	98.8	98.9	99.0	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.6
≥ 100	95.6	97.0	97.9	98.7	98.9	98.9	99.0	99.1	99.2	99.3	99.7	99.7	99.8	99.8	99.8	99.9
0	95.6	97.0	97.9	98.7	98.9	98.9	99.0	99.1	99.2	99.3	99.7	99.7	99.8	99.8	99.9	100.0
	95.6	97.0	97.9	98.7	98.9	98.9	99.0	99.1	99.2	99.3	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	<10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥5/8	≥½	≥0
NO CEILING	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
≥ 20000	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
≥ 18000	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 16000	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 14000	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	80.7	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
≥ 10000	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	82.8	82.8
≥ 9000	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	83.3
≥ 8000	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	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	86.3	86.3
≥ 6000	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
≥ 5000	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	87.8	87.8	87.8
≥ 4500	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
≥ 4000	90.7	90.9	90.9	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
≥ 3500	91.4	91.7	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
≥ 3000	93.3	93.6	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
≥ 2500	93.6	93.8	93.9	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
≥ 2200	94.3	94.6	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	94.6	94.9	95.0	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
≥ 1500	95.4	95.9	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	95.7	96.1	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	96.1	96.7	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	96.2	96.8	97.1	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
≥ 800	96.2	96.9	97.2	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
≥ 700	96.4	97.1	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	96.4	97.1	97.7	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
≥ 500	96.7	97.4	98.1	98.4	98.7	98.7	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	96.8	97.6	98.3	98.7	99.1	99.2	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	96.8	97.6	98.3	98.9	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.8	97.6	98.3	98.9	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.8	97.6	98.3	98.9	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.8	97.6	98.3	98.9	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOUR LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 20000	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
≥ 18000	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
≥ 16000	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
≥ 14000	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
≥ 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
≥ 10000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 9000	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	79.8
≥ 8000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 7000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 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
≥ 4500	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000	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	92.8	92.8	92.8
≥ 3500	94.0	94.0	94.0	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
≥ 3000	95.4	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
≥ 2500	95.9	96.0	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
≥ 2000	96.3	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	96.4	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
≥ 1500	96.9	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	97.0	97.2	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	97.8	98.2	98.2	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	97.8	98.2	98.2	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	97.8	98.2	98.2	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	97.9	98.4	98.4	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	97.9	98.4	98.4	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	98.1	99.1	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	98.1	99.2	99.3	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	99.2	99.3	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	99.2	99.3	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	99.2	99.3	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.1	99.2	99.3	99.4	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 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOUR, LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 18000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 16000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 14000	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	69.8
≥ 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
≥ 10000	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	78.6
≥ 9000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 8000	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	81.7
≥ 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 5000	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 4500	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3500	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3000	96.4	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	97.0
≥ 2500	96.4	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	97.0
≥ 2000	96.7	97.1	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
≥ 1800	96.8	97.2	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
≥ 1500	97.6	98.0	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	98.2
≥ 1200	97.7	98.2	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
≥ 1000	97.7	98.2	98.3	98.3	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	97.7	98.2	98.3	98.3	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	97.8	98.3	98.4	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	97.8	98.6	98.7	98.7	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.8	98.6	98.7	98.7	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.9	98.9	99.0	99.0	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	97.9	98.9	99.0	99.0	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.9	98.9	99.0	99.0	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	97.9	98.9	99.0	99.0	99.2	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.9	98.9	99.0	99.0	99.2	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.9	98.9	99.0	99.0	99.2	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	0
NO CEILING	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	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	68.8	68.8
≥ 18000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 16000	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	69.4
≥ 14000	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 10000	80.3	80.3	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
≥ 9000	81.1	81.1	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
≥ 8000	85.3	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
≥ 7000	86.1	86.1	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
≥ 6000	87.3	87.3	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
≥ 5000	91.3	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
≥ 4500	91.8	92.2	92.4	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
≥ 4000	95.0	95.8	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
≥ 3500	96.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3000	97.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2500	97.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	97.2	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	98.6
≥ 1800	97.2	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	98.6
≥ 1500	97.3	98.4	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
≥ 1200	97.3	98.4	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
≥ 1000	97.3	98.4	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
≥ 900	97.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	97.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	97.7	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	97.8	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	97.8	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	97.8	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.8	99.2	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.8	99.2	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.8	99.2	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.8	99.2	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	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	63.1
≥ 20000	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	71.4	71.4
≥ 18000	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
≥ 16000	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
≥ 14000	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
≥ 12000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 10000	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
≥ 9000	82.6	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
≥ 8000	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
≥ 7000	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 6000	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	87.4	87.4
≥ 5000	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
≥ 4500	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	91.0
≥ 4000	93.9	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	94.4
≥ 3500	95.7	96.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3000	97.3	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	97.3	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	97.4	98.0	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
≥ 1800	97.4	98.0	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
≥ 1500	97.7	98.4	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	97.7	98.4	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	97.8	98.6	98.7	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
≥ 900	97.8	98.6	98.7	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
≥ 800	97.8	98.6	98.7	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
≥ 700	97.8	98.6	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.8	98.6	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.9	98.7	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	97.9	98.8	98.9	99.2	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.9	98.8	98.9	99.2	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	97.9	98.8	98.9	99.2	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.9	98.8	98.9	99.2	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
= 0	97.9	98.8	98.9	99.2	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000	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	72.8	72.8
≥ 18000	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	73.1	73.1
≥ 16000	73.1	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
≥ 14000	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	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
≥ 10000	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
≥ 9000	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
≥ 8000	83.9	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
≥ 7000	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 6000	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000	89.0	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
≥ 4500	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	92.5	92.9	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
≥ 3500	93.8	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2500	95.4	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	96.1	96.1
≥ 2000	95.8	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	95.9	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
≥ 1500	96.5	97.1	97.3	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
≥ 1200	96.6	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	97.6	97.6
≥ 1000	96.9	97.6	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	97.0	97.7	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	97.0	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	97.1	98.0	98.2	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	97.2	98.1	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	97.3	98.3	98.6	98.8	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	97.3	98.5	98.8	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	97.3	98.5	98.8	99.2	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 200	97.3	98.5	98.8	99.2	99.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	97.3	98.5	98.8	99.2	99.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	97.3	98.5	98.8	99.2	99.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	70.2	70.2	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 20000	74.8	74.8	74.9	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
≥ 18000	74.8	74.8	74.9	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
≥ 16000	74.8	74.8	74.9	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
≥ 14000	74.9	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	77.5	77.6	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	78.0
≥ 10000	83.9	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 9000	84.1	84.3	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 8000	85.4	85.6	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 7000	86.8	87.1	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 6000	88.6	88.9	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
≥ 5000	91.6	92.0	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
≥ 4500	92.2	92.6	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 4000	93.4	94.0	94.1	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
≥ 3500	94.3	94.9	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
≥ 3000	95.6	96.5	96.6	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
≥ 2500	95.8	96.7	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	96.2	97.1	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	96.2	97.1	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	96.5	97.3	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
≥ 1200	96.9	97.7	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
≥ 1000	97.0	97.8	98.0	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
≥ 900	97.0	97.8	98.0	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
≥ 800	97.0	97.8	98.0	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
≥ 700	97.1	98.1	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	97.1	98.1	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	97.2	98.2	98.3	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
≥ 400	97.2	98.3	98.4	98.7	98.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	97.3	98.5	98.6	99.0	99.0	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	97.4	98.6	98.7	99.1	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	97.4	98.6	98.7	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.4	98.6	98.7	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING-FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	68.7	68.8	68.9	68.9	69.0	69.1	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 20000	73.8	73.9	74.0	74.0	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000	73.8	73.9	74.0	74.0	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 16000	73.8	73.9	74.0	74.0	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 14000	74.1	74.2	74.3	74.3	74.4	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 12000	77.0	77.3	77.4	77.4	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 10000	83.4	83.9	84.0	84.0	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 9000	83.9	84.3	84.4	84.4	84.5	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 8000	84.9	85.5	85.6	85.6	85.7	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	85.9	86.5	86.6	86.6	86.7	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 6000	87.1	87.6	87.7	87.7	87.8	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 5000	90.8	91.4	91.5	91.5	91.6	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 4500	91.8	92.5	92.6	92.6	92.7	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 4000	92.9	93.9	94.0	94.0	94.1	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3500	93.0	94.0	94.1	94.1	94.2	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3000	93.5	94.5	94.6	94.6	94.7	94.8	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	94.1	95.1	95.2	95.2	95.3	95.4	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	94.6	95.6	95.7	95.7	95.8	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	94.6	95.6	95.7	95.7	95.8	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	94.6	95.6	95.7	95.7	95.8	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	94.7	95.7	95.9	96.1	96.2	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	94.9	96.0	96.2	96.5	96.7	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	94.9	96.0	96.2	96.5	96.7	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	94.9	96.0	96.2	96.5	96.7	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	95.1	96.3	96.6	96.8	97.0	97.1	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	95.1	96.3	96.6	96.8	97.0	97.1	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	95.2	96.5	96.8	97.0	97.2	97.3	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400	95.2	96.5	96.8	97.0	97.4	97.5	97.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	95.3	96.6	97.0	97.4	98.2	98.3	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	95.3	96.7	97.3	97.7	98.7	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	95.3	96.7	97.3	97.7	98.8	98.9	99.2	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	95.3	96.7	97.3	97.7	98.8	98.9	99.2	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC (FORM NO.) 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	68.2	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 20000	74.0	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6
≥ 18000	74.2	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8
≥ 16000	74.2	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8
≥ 14000	74.4	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1
≥ 12000	76.9	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5
≥ 10000	82.5	82.8	83.0	93.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2
≥ 9000	82.8	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5
≥ 8000	84.5	84.8	85.1	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
≥ 7000	85.5	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2
≥ 6000	86.7	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4
≥ 5000	88.8	89.2	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
≥ 4500	89.4	89.8	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 4000	90.8	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6
≥ 3500	91.1	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0
≥ 3000	92.0	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
≥ 2500	92.4	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5
≥ 2000	92.5	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8
≥ 1800	92.6	93.5	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0
≥ 1500	92.7	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
≥ 1200	93.2	94.4	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
≥ 1000	93.8	95.3	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1
≥ 900	93.9	95.4	95.8	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
≥ 800	94.0	95.8	96.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 700	94.1	95.9	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9
≥ 600	94.2	96.0	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 500	94.2	96.1	96.6	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
≥ 400	94.2	96.3	96.9	97.6	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 300	94.2	96.3	97.0	98.0	98.3	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 200	94.2	96.5	97.4	98.4	98.7	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	94.2	96.5	97.4	98.4	98.7	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
0	94.2	96.5	97.4	98.4	98.7	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 20000	79.9	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
≥ 18000	80.0	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
≥ 16000	80.0	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
≥ 14000	80.2	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
≥ 12000	82.7	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
≥ 10000	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 9000	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
≥ 8000	89.4	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
≥ 7000	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 6000	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 5000	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4500	92.3	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
≥ 4000	93.1	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
≥ 3500	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3000	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	95.6	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
≥ 1800	95.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	96.1	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
≥ 1200	96.8	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
≥ 1000	97.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	97.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	97.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	97.2	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
≥ 600	97.2	99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	97.2	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	97.3	99.2	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.3	99.4	99.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.3	99.4	99.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.3	99.4	99.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.3	99.4	99.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	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	68.1
≥ 20000	77.3	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
≥ 18000	77.3	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
≥ 16000	77.3	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
≥ 14000	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 12000	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 10000	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 9000	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 8000	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 7000	88.4	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
≥ 6000	89.4	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
≥ 5000	92.0	92.5	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
≥ 4500	92.3	92.7	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
≥ 4000	93.8	94.5	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
≥ 3500	94.3	95.1	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
≥ 3000	95.4	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
≥ 2500	95.8	96.9	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
≥ 2000	96.1	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	96.1	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	96.6	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	97.2	98.3	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
≥ 1000	97.4	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	97.5	98.7	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
≥ 800	97.6	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	97.6	98.9	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
≥ 600	97.6	98.9	99.5	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
≥ 500	97.6	98.9	99.5	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
≥ 400	97.6	98.9	99.6	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
≥ 300	97.6	98.9	99.6	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
≥ 200	97.6	98.9	99.6	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	97.6	98.9	99.6	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
0	97.6	98.9	99.6	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

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NOV 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥ 5/16	≥¼	≥0
NO CEILING	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	70.9	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
≥ 18000	70.9	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
≥ 16000	70.9	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
≥ 14000	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 12000	76.4	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
≥ 10000	83.5	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
≥ 9000	84.6	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
≥ 8000	86.4	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
≥ 7000	87.5	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
≥ 6000	89.5	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 5000	92.1	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 4500	92.7	93.5	93.6	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4000	94.7	95.6	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	95.4	96.2	96.3	96.6	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	96.3	97.2	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500	96.8	97.6	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	96.8	97.6	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	96.8	97.6	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	97.1	98.0	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	97.3	98.3	98.5	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	97.5	98.5	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	97.5	98.5	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	97.6	98.6	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	97.7	98.7	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	97.7	98.8	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	97.7	98.8	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	97.7	98.8	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	97.7	98.8	99.0	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.7	98.8	99.0	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.7	98.8	99.0	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.7	98.8	99.0	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000	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	73.9
≥ 18000	73.7	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
≥ 16000	73.7	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
≥ 14000	74.6	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
≥ 12000	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 10000	84.2	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
≥ 9000	84.4	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
≥ 8000	86.7	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
≥ 7000	89.1	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
≥ 6000	91.2	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
≥ 5000	93.0	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
≥ 4500	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4000	94.9	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
≥ 3500	96.2	97.1	97.1	97.1	97.2	97.2	97.	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 3000	97.0	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2500	97.0	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	97.5	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	98.6	98.6
≥ 1800	97.6	98.5	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
≥ 1500	98.1	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	99.1	99.1
≥ 1200	98.1	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
≥ 1000	98.2	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.2	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.3	99.2	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
≥ 700	98.3	99.2	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
≥ 600	98.3	99.2	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
≥ 500	98.3	99.5	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
≥ 400	98.3	99.5	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
≥ 300	98.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 20000	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
≥ 18000	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
≥ 16000	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
≥ 14000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 12000	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 10000	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 9000	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 8000	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	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	88.3	88.3	88.3
≥ 6000	90.3	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
≥ 5000	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4500	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	95.3	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 3500	96.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3000	96.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2500	96.9	98.1	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
≥ 2000	97.1	98.3	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
≥ 1800	97.2	98.4	98.4	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
≥ 1500	97.4	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
≥ 1200	97.6	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	97.7	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	97.7	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	97.7	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	97.8	99.2	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
≥ 600	98.0	99.5	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
≥ 500	98.1	99.6	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
≥ 400	98.1	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	98.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 200	98.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-32 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	=0
NO CEILING	66.8	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	67.1	67.1
≥ 20000	75.1	75.3	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	75.6	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 12000	78.5	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
≥ 10000	84.4	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 9000	84.8	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 8000	86.4	86.7	86.8	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
≥ 7000	87.6	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 6000	89.1	89.6	89.6	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
≥ 5000	91.7	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500	92.3	92.9	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
≥ 4000	93.6	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3500	94.2	95.0	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
≥ 3000	95.1	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500	95.5	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	95.8	96.7	96.9	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
≥ 1800	95.9	96.8	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
≥ 1500	96.1	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	97.5	97.5
≥ 1200	96.5	97.5	97.7	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
≥ 1000	96.7	97.8	98.0	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
≥ 900	96.7	97.9	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	96.8	98.0	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	96.9	98.1	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	96.9	98.2	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	96.9	98.3	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	96.9	98.4	98.7	98.9	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	97.0	98.5	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	97.0	98.5	98.9	99.2	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	97.0	98.5	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
= 0	97.0	98.5	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	0
NO CEILING	71.6	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 20000	77.4	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	78.1	78.1
≥ 18000	77.5	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 16000	77.7	78.4	78.4	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
≥ 14000	77.8	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 12000	79.3	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 10000	84.9	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 9000	85.5	86.2	86.2	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
≥ 8000	88.7	89.6	89.6	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
≥ 7000	89.7	90.5	90.5	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
≥ 6000	90.4	91.4	91.5	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
≥ 5000	93.3	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
≥ 4500	93.9	95.2	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
≥ 4000	94.9	96.2	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
≥ 3500	95.5	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
≥ 3000	95.8	97.1	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
≥ 2500	96.0	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
≥ 2000	96.4	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	96.4	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	96.7	98.1	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
≥ 1200	96.8	98.2	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
≥ 1000	97.0	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	98.6	98.6
≥ 900	97.0	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	98.6	98.6
≥ 800	97.3	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	97.3	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	97.3	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	97.5	98.9	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
≥ 400	97.7	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
≥ 300	97.7	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
≥ 200	97.7	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	97.7	99.1	99.4	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 0	97.7	99.1	99.4	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING	73.0	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	73.8	73.8
≥ 20000	78.0	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	78.0	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	78.1	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
≥ 14000	78.6	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 12000	81.2	81.8	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
≥ 10000	86.1	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
≥ 9000	86.9	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
≥ 8000	89.2	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 7000	89.5	90.1	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
≥ 6000	90.2	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 5000	92.5	93.5	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
≥ 4500	92.9	94.0	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
≥ 4000	93.5	94.6	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
≥ 3500	93.9	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
≥ 3000	94.3	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
≥ 2500	94.6	95.7	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
≥ 2000	95.3	96.3	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
≥ 1800	95.5	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	96.7	96.7
≥ 1500	95.6	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
≥ 1200	95.7	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	96.9
≥ 1000	95.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	95.9	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	97.2	97.3
≥ 800	96.0	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	97.3	97.4
≥ 700	96.1	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 600	96.1	97.4	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 500	96.3	97.6	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.6
≥ 400	96.6	98.1	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1
≥ 300	96.6	98.1	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1
≥ 200	96.6	98.1	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.5	99.6
≥ 100	96.6	98.1	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.7	99.9
≥ 0	96.6	98.1	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION NUMBER) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥ 5/16	≥¼	0
NO CEILING	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 20000	74.8	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 18000	75.1	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 16000	75.1	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 14000	75.9	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 12000	79.4	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 10000	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 9000	84.3	84.7	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
≥ 8000	87.4	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
≥ 7000	89.2	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	89.9
≥ 6000	90.0	90.5	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
≥ 5000	91.3	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
≥ 4500	91.8	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	92.6	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3500	92.7	93.8	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
≥ 3000	93.7	94.7	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	94.1	95.4	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
≥ 2000	94.2	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	94.2	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	94.5	95.8	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	95.1	96.5	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
≥ 1000	95.3	96.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 900	95.3	96.7	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.7
≥ 800	95.3	96.7	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.7
≥ 700	95.4	96.8	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.2	98.3
≥ 600	95.4	96.8	97.3	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.5	98.6
≥ 500	95.6	97.0	97.5	98.3	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.9
≥ 400	95.7	97.2	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.2
≥ 300	95.7	97.3	98.0	98.7	98.9	99.1	99.1	99.1	99.2	99.5	99.6	99.6	99.7	99.8	99.9	100.0
≥ 200	95.7	97.3	98.0	98.7	98.9	99.1	99.1	99.1	99.2	99.5	99.6	99.6	99.7	99.8	99.9	100.0
≥ 100	95.7	97.3	98.0	98.7	98.9	99.1	99.1	99.1	99.2	99.5	99.6	99.6	99.7	99.8	99.9	100.0
≥ 0	95.7	97.3	98.0	98.7	98.9	99.1	99.1	99.1	99.2	99.5	99.6	99.6	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	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
≥ 20000	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	76.9	76.9
≥ 18000	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	76.9	76.9
≥ 16000	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	76.9	76.9
≥ 14000	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
≥ 12000	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 10000	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	84.9
≥ 9000	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
≥ 8000	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
≥ 7000	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	89.9
≥ 6000	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 5000	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	92.7
≥ 4500	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	92.9
≥ 4000	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3500	94.5	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
≥ 3000	95.5	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
≥ 2500	95.7	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
≥ 2000	96.3	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	97.0
≥ 1800	96.3	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	97.0
≥ 1500	96.5	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
≥ 1200	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	97.2	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
≥ 900	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	97.8	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
≥ 700	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	97.8	98.7	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
≥ 500	97.8	98.7	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	97.8	98.7	99.2	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.8	98.7	99.2	99.5	99.5	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	97.8	98.7	99.2	99.5	99.5	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.8	98.7	99.2	99.5	99.5	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.8	98.7	99.2	99.5	99.5	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOUR, LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 20000	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
≥ 18000	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	76.6	76.6	76.6
≥ 16000	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	76.6	76.6	76.6
≥ 14000	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
≥ 12000	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	79.7
≥ 10000	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
≥ 9000	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 8000	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	88.5
≥ 7000	89.2	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
≥ 6000	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	91.1
≥ 5000	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	94.2	94.2	94.2
≥ 4500	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	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	95.5
≥ 3500	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
≥ 3000	96.5	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
≥ 2500	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
≥ 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
≥ 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
≥ 1500	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	98.5	99.4	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
≥ 700	98.7	99.7	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
≥ 600	98.7	99.7	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
≥ 500	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	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	63.5	63.5
≥ 20000	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	77.5
≥ 18000	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
≥ 16000	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	77.8
≥ 14000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 12000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 10000	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	86.0	86.0
≥ 9000	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 8000	89.5	89.5	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
≥ 7000	90.3	90.3	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
≥ 6000	91.5	91.6	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
≥ 5000	95.0	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
≥ 4500	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	95.6	95.6	95.6
≥ 4000	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3500	97.5	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
≥ 3000	98.0	98.1	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
≥ 2500	98.4	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	98.5	98.6	98.6	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
≥ 1800	98.5	98.6	98.6	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
≥ 1500	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.8	99.2	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	98.8	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	98.8	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	98.8	99.2	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.8	99.2	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.8	99.2	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOUR (LST))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥.	≥5/16	≥¼	≥0
NO CEILING	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	67.3
≥ 20000	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
≥ 18000	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
≥ 15000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 14000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	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	81.9	81.9
≥ 10000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 9000	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
≥ 8000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 7000	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
≥ 6000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 5000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 4500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3500	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
≥ 3000	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
≥ 2500	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2000	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 900	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 800	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 700	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 600	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4
≥ 500	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 400	98.9	99.5	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
≥ 300	98.9	99.5	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
≥ 200	98.9	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	98.9	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	98.9	99.5	99.7	99.7	99.7	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 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	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
≥ 18000	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
≥ 16000	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
≥ 14000	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 12000	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 10000	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
≥ 9000	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 8000	90.4	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
≥ 7000	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 6000	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 5000	94.9	95.5	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
≥ 4500	95.9	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 4000	96.4	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 3500	97.1	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3000	97.3	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
≥ 2500	97.4	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
≥ 2000	97.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	97.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	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
≥ 1200	97.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	98.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.0	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
≥ 600	98.0	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
≥ 500	98.1	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
≥ 400	98.1	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
≥ 300	98.1	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
≥ 200	98.1	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
≥ 100	98.1	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
≥ 0	98.1	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 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 20000	77.1	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
≥ 18000	77.2	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
≥ 16000	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	77.6
≥ 14000	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 12000	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 9000	85.8	86.1	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
≥ 8000	89.1	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	89.5
≥ 7000	90.1	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
≥ 6000	91.0	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
≥ 5000	93.7	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
≥ 4500	94.3	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
≥ 4000	95.2	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
≥ 3500	95.6	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
≥ 3000	96.2	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
≥ 2500	96.5	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
≥ 2000	96.9	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	96.9	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	97.1	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	97.3	98.1	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
≥ 1000	97.4	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	97.5	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 800	97.6	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 700	97.6	98.6	98.7	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
≥ 600	97.6	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	97.7	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 400	97.8	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	97.8	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 200	97.8	98.9	99.2	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9
≥ 100	97.8	98.9	99.2	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 0	97.8	98.9	99.2	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	78.7	78.8	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
≥ 20000	81.4	81.6	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
≥ 18000	81.4	81.6	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
≥ 16000	81.4	81.6	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
≥ 14000	81.7	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	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
≥ 10000	87.0	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 9000	87.3	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 8000	88.4	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 7000	89.2	89.3	89.3	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
≥ 6000	90.7	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 5000	92.9	93.1	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
≥ 4500	93.1	93.3	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
≥ 4000	93.8	94.2	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
≥ 3500	94.2	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	94.4	94.9	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
≥ 2500	94.8	95.2	95.2	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
≥ 2000	95.1	95.7	95.7	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
≥ 1800	95.8	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	96.2	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	96.9	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	97.1	97.7	97.7	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
≥ 800	97.1	97.7	97.7	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
≥ 700	97.2	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	97.3	98.0	98.0	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
≥ 500	97.3	98.0	98.0	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
≥ 400	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	97.7	98.4	98.6	98.7	99.1	99.1	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	97.7	98.4	98.6	98.7	99.1	99.1	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 0	97.7	98.4	98.6	98.7	99.1	99.1	99.2	99.3	99.7	99.7	99.7	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING - FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	75.4	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
≥ 20000	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 18000	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 15000	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 14000	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 12000	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 10000	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	83.4	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
≥ 8000	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	85.8	85.8
≥ 7000	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 6000	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
≥ 5000	90.3	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
≥ 4500	90.7	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
≥ 4000	92.4	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
≥ 3500	92.4	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
≥ 3000	92.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	93.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	94.1	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
≥ 1800	94.1	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
≥ 1500	94.8	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	95.8	95.8
≥ 1200	95.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	96.0	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	97.1
≥ 800	96.0	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	97.1
≥ 700	96.0	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	97.1
≥ 600	96.0	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	97.1
≥ 500	96.2	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
≥ 400	96.3	97.4	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	96.9	98.1	98.1	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	97.2	98.7	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	97.2	98.7	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.8	99.8
= 0	97.2	98.7	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	68.7	69.1	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
≥ 20000	74.6	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	75.3
≥ 18000	74.6	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	75.3
≥ 16000	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 14000	74.9	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
≥ 12000	76.3	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	77.1	77.2
≥ 10000	80.4	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6
≥ 9000	80.8	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	81.9
≥ 8000	82.8	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.1
≥ 7000	84.6	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.9
≥ 6000	86.2	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.6
≥ 5000	88.2	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.6
≥ 4500	88.8	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.1
≥ 4000	89.8	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.3
≥ 3500	90.9	91.9	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.6
≥ 3000	91.3	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.1
≥ 2500	91.7	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.4
≥ 2000	92.0	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.8
≥ 1800	92.0	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.8
≥ 1500	92.9	94.0	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.8
≥ 1200	93.3	94.7	95.1	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.9
≥ 1000	93.7	95.0	95.4	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3
≥ 900	93.7	95.0	95.4	96.0	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.6
≥ 800	93.7	95.4	95.9	96.4	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.0
≥ 700	93.7	95.4	95.9	96.4	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.0
≥ 600	93.7	95.7	96.1	96.8	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.4	97.6
≥ 500	93.7	95.9	96.4	97.1	97.2	97.2	97.4	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.9	98.0
≥ 400	93.7	96.2	97.0	97.7	97.8	97.8	98.1	98.2	98.4	98.6	98.6	98.6	98.7	98.7	98.9	99.0
≥ 300	93.8	96.3	97.1	97.9	98.0	98.0	98.3	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.4	99.6
≥ 200	93.8	96.3	97.1	97.9	98.0	98.0	98.3	98.8	99.0	99.2	99.2	99.2	99.3	99.3	99.6	99.7
≥ 100	93.8	96.3	97.1	98.1	98.2	98.2	98.7	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.9	100.0
> 0	93.8	96.3	97.1	98.1	98.2	98.2	98.7	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 25000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 18000	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
≥ 16000	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	78.7	78.7
≥ 14000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 12000	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
≥ 10000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 9000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 8000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	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
≥ 6000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 5000	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
≥ 4500	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 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
≥ 2000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1500	94.1	94.1	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
≥ 1200	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	95.4	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	95.6	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1
≥ 800	95.9	96.1	96.2	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0
≥ 700	96.1	96.3	96.4	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.3
≥ 600	96.1	96.6	96.9	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.9
≥ 500	96.1	96.8	97.4	98.0	98.1	98.2	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.9
≥ 400	96.2	97.0	97.9	98.7	98.9	99.0	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.8
≥ 300	96.2	97.0	98.0	98.8	99.0	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.9
≥ 200	96.2	97.0	98.0	98.8	99.0	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.9
≥ 100	96.2	97.0	98.0	98.8	99.0	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	100.0
0	96.2	97.0	98.0	98.8	99.0	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	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
≥ 20000	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
≥ 18000	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
≥ 16000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 14000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 12000	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
≥ 10000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 9000	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
≥ 8000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	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
≥ 6000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 5000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4500	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
≥ 4000	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	92.4	92.4	92.4
≥ 3500	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	93.3	93.3
≥ 3000	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	95.4	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
≥ 1800	95.6	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	95.8
≥ 1500	95.8	96.0	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
≥ 1200	96.8	97.1	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
≥ 1000	97.0	97.3	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
≥ 900	97.2	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	97.8	98.2	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
≥ 700	97.8	98.3	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	97.8	98.4	99.1	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
≥ 500	97.8	98.4	99.1	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
≥ 400	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	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	68.3
≥ 20000	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
≥ 18000	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
≥ 16000	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
≥ 14000	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	78.6
≥ 12000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 9000	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
≥ 8000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 7000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 6000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 5000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4500	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 4000	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3500	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	95.4
≥ 3000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	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
≥ 1800	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	97.0	97.0
≥ 1500	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
≥ 1200	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	98.4	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
≥ 900	98.4	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
≥ 800	98.4	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
≥ 700	98.4	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
≥ 600	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 0	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS L.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	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	73.3
≥ 20000	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 18000	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 16000	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
≥ 14000	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	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
≥ 10000	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 9000	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 8000	88.4	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
≥ 7000	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 6000	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	91.7
≥ 5000	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	92.9
≥ 4500	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
≥ 4000	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3500	95.3	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
≥ 3000	95.8	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
≥ 2500	96.4	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
≥ 2000	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 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
≥ 900	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
≥ 800	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
≥ 700	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
≥ 600	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
≥ 500	97.6	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
≥ 400	97.6	98.6	98.6	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
≥ 300	97.8	99.0	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	97.8	99.0	99.0	99.1	99.2	99.2	99.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	97.8	99.0	99.0	99.1	99.2	99.2	99.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	97.8	99.0	99.0	99.1	99.2	99.2	99.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥½	≥¼	≥⅛	≥0
NO CEILING	75.4	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
≥ 20000	79.9	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
≥ 18000	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 16000	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
≥ 14000	80.7	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
≥ 12000	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 10000	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 9000	85.6	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
≥ 8000	86.4	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
≥ 7000	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 6000	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
≥ 5000	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4500	92.3	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
≥ 4000	93.2	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
≥ 3500	93.9	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
≥ 3000	94.4	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
≥ 2500	95.1	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
≥ 2000	95.8	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	95.8	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	96.1	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
≥ 1200	96.6	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
≥ 1000	96.8	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
≥ 900	96.8	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
≥ 800	96.8	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
≥ 700	96.9	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
≥ 600	97.0	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	97.0	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	97.2	98.1	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	97.4	98.6	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
≥ 200	97.4	98.6	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 100	97.4	98.6	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.3	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0	97.4	98.6	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.3	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC (FORM NO.) 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (LST))

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20000	78.5	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	78.8
≥ 18000	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
≥ 16000	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	79.1
≥ 14000	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000	80.5	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 10000	84.1	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
≥ 9000	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 8000	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 7000	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 6000	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000	90.9	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	92.7	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
≥ 3500	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 3000	93.8	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
≥ 2500	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
≥ 2000	95.0	95.5	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
≥ 1800	95.1	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
≥ 1500	95.3	96.2	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
≥ 1200	96.1	96.7	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
≥ 1000	96.4	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	96.5	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6
≥ 800	96.7	97.4	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	96.7	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	96.7	97.6	97.8	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
≥ 500	96.8	97.7	98.0	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5
≥ 400	96.8	97.9	98.2	98.5	98.6	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 300	97.0	98.1	98.5	98.8	98.9	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
≥ 200	97.1	98.2	98.6	98.9	99.1	99.1	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7
≥ 100	97.1	98.2	98.6	98.9	99.1	99.1	99.2	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.9
≥ 0	97.1	98.2	98.6	98.9	99.1	99.1	99.2	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) 0 (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	70.5	70.6	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
≥ 20000	76.2	76.3	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
≥ 18000	76.2	76.3	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
≥ 16000	76.2	76.3	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
≥ 14000	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
≥ 12000	77.7	77.8	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
≥ 10000	80.6	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 9000	80.9	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	81.8	82.2	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	82.8	83.1	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000	83.1	83.4	83.8	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
≥ 5000	84.2	84.5	84.8	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
≥ 4500	85.3	85.7	86.0	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
≥ 4000	87.3	87.7	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
≥ 3500	88.6	89.4	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
≥ 3000	89.6	90.6	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	90.9	91.9	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	92.4
≥ 2000	91.4	92.5	92.8	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
≥ 1800	91.5	92.6	92.9	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
≥ 1500	92.8	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	93.1	94.5	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
≥ 1000	93.2	94.7	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
≥ 900	93.2	94.7	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
≥ 800	93.3	94.8	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
≥ 700	93.3	95.5	95.9	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
≥ 600	93.3	95.9	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	93.8	96.7	97.5	97.5	97.6	97.6	97.6	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	94.2	97.1	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	94.2	97.2	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	94.3	97.5	98.4	98.4	98.6	98.6	98.7	98.7	98.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 100	94.3	97.5	98.4	98.4	98.6	98.6	98.7	98.7	98.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	94.3	97.5	98.4	98.4	98.6	98.6	98.7	98.7	98.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000	76.2	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	76.6
≥ 18000	76.2	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	76.6
≥ 16000	76.2	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	76.6
≥ 14000	76.6	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	76.9
≥ 12000	77.5	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
≥ 10000	80.4	80.6	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
≥ 9000	80.6	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
≥ 8000	81.3	81.5	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	82.4	82.6	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	83.7	83.9	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 5000	85.2	85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	86.1	86.5	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 4000	88.3	88.6	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	89.5	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3000	90.4	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	91.5	92.5	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	92.6	93.7	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	92.7	93.8	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	93.4	94.7	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	93.7	94.9	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	93.8	95.1	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	93.8	95.3	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800	93.8	95.3	95.5	95.5	95.8	95.8	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	94.0	95.6	95.8	95.8	96.1	96.1	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	94.0	95.7	95.9	95.9	96.2	96.2	96.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	94.2	96.0	96.3	96.5	96.9	96.9	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	94.4	96.7	97.0	97.1	97.6	97.6	98.0	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	94.4	97.0	97.7	97.8	98.4	98.4	98.8	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	94.5	97.1	97.8	98.0	98.6	98.6	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	94.5	97.3	98.1	98.2	98.8	98.8	99.2	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.5	97.3	98.1	98.2	98.8	98.8	99.2	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	64.6	64.6	64.6	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000	71.0	71.0	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	71.2	71.2	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 16000	71.2	71.2	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 14000	71.6	71.6	71.6	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
≥ 12000	73.3	73.3	73.3	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000	77.6	77.6	77.6	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
≥ 9000	78.5	78.5	78.5	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 8000	80.4	80.4	80.4	80.5	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 7000	82.4	82.4	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000	82.9	82.9	82.9	83.0	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	84.5	84.5	84.5	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500	85.1	85.1	85.1	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000	86.3	86.3	86.3	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
≥ 3500	88.3	88.3	88.3	88.4	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	89.6	89.6	89.6	89.7	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	90.6	90.6	90.6	90.8	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	92.3	92.5	92.5	92.6	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	92.3	92.6	92.6	92.7	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	93.2	93.7	93.7	93.8	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	94.2	94.7	94.7	94.8	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	94.2	94.9	94.9	95.1	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	94.2	94.9	94.9	95.1	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	94.2	95.2	95.2	95.4	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	94.2	95.2	95.2	95.5	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	94.2	95.2	95.2	95.5	96.2	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	94.3	95.3	95.3	95.7	96.6	96.6	96.8	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	94.9	96.1	96.3	97.0	97.8	97.8	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	95.1	96.7	97.2	97.8	98.7	98.7	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	95.1	96.9	97.4	98.2	99.1	99.1	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.1	96.9	97.4	98.2	99.1	99.1	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	95.1	96.9	97.4	98.2	99.1	99.1	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS)

CEILING - FEET	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	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	64.7
≥ 20000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 18000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 16000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 14000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 12000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 10000	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	78.7	78.7
≥ 9000	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
≥ 8000	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	81.2
≥ 7000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	84.9	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
≥ 4500	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000	86.8	86.9	86.9	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
≥ 3500	87.3	87.4	87.4	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
≥ 3000	89.0	89.1	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	89.5	89.6	89.6	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
≥ 2000	91.3	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
≥ 1800	91.3	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
≥ 1500	92.6	93.0	93.0	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	93.0	93.5	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	93.7	94.4	94.5	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	
≥ 900	93.9	94.7	94.8	94.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.7	95.7
≥ 800	93.9	94.7	94.8	95.2	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.1	96.1
≥ 700	94.1	95.2	95.3	95.6	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.8	96.8
≥ 600	94.2	95.4	95.5	95.8	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	97.0	97.0
≥ 500	94.4	95.8	95.9	96.2	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.7	97.7
≥ 400	94.4	95.8	95.9	96.2	97.2	97.2	97.2	97.6	97.7	97.7	98.0	98.0	98.2	98.2	98.4	98.4
≥ 300	94.6	96.2	96.3	96.8	97.7	97.7	97.7	98.3	98.5	98.6	98.8	98.8	99.0	99.0	99.2	99.2
≥ 200	94.7	96.3	96.5	96.9	98.0	98.0	98.0	98.5	98.9	99.2	99.6	99.6	99.8	99.8	100.0	100.0
≥ 100	94.7	96.3	96.5	96.9	98.0	98.0	98.0	98.5	98.9	99.2	99.6	99.6	99.8	99.8	100.0	100.0
≥ 0	94.7	96.3	96.5	96.9	98.0	98.0	98.0	98.5	98.9	99.2	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (GMT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	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	75.1
≥ 18000	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
≥ 16000	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
≥ 14000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 10000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000	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
≥ 8000	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 7000	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
≥ 6000	82.8	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
≥ 5000	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
≥ 4500	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	86.0	86.0
≥ 4000	87.6	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	87.8	87.8
≥ 3500	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	91.2	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	91.6
≥ 2000	91.5	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
≥ 1800	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	92.5	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	92.5	93.2	93.4	93.5	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	92.8	93.5	94.0	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	93.0	93.8	94.2	94.4	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	93.5	94.4	94.8	95.2	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	94.2	95.3	95.7	96.0	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	94.6	95.7	96.2	96.6	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	95.1	96.1	96.9	97.2	98.5	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	95.1	96.2	97.2	97.5	98.8	98.9	99.0	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 300	95.1	96.2	97.2	97.6	98.9	99.0	99.1	99.6	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	95.1	96.2	97.3	97.7	99.0	99.1	99.2	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	95.1	96.2	97.3	97.7	99.0	99.1	99.2	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0	95.1	96.2	97.3	97.7	99.0	99.1	99.2	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (WMONO) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS L.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	=0
NO CEILING	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
≥ 20000	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
≥ 18000	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
≥ 16000	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
≥ 14000	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
≥ 12000	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
≥ 10000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000	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
≥ 8000	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	82.9	82.9	82.9
≥ 7000	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	83.3
≥ 6000	84.6	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
≥ 5000	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4500	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
≥ 4000	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 3000	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	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
≥ 1800	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	93.4	94.0	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	93.7	94.2	94.4	94.5	94.5	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	93.8	94.4	94.7	94.8	94.9	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900	94.1	94.9	95.3	95.4	95.5	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800	94.3	95.2	95.6	95.7	95.9	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	94.4	95.4	95.9	96.1	96.6	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	94.4	95.8	96.3	96.7	97.1	97.3	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	94.4	95.9	96.6	97.0	97.4	97.6	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6
≥ 400	94.4	96.2	97.0	97.5	98.0	98.2	98.5	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6
≥ 300	94.4	96.2	97.0	97.5	98.0	98.2	98.6	99.0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.8
≥ 200	94.4	96.2	97.0	97.5	98.0	98.2	98.6	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	100.0
≥ 100	94.4	96.2	97.0	97.5	98.0	98.2	98.6	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	100.0
≥ 0	94.4	96.2	97.0	97.5	98.0	98.2	98.6	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-.2 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	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
≥ 20000	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
≥ 18000	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
≥ 16000	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
≥ 14000	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	75.5
≥ 12000	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	77.5
≥ 10000	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
≥ 9000	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
≥ 8000	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	84.3
≥ 7000	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	85.5	85.5	85.5
≥ 6000	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 5000	88.0	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
≥ 4500	88.0	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
≥ 4000	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	89.1
≥ 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
≥ 3000	91.0	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
≥ 2500	92.2	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
≥ 2000	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	92.8	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	93.3	93.3
≥ 1500	93.2	94.1	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
≥ 1200	93.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	94.0	95.2	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
≥ 900	94.2	95.7	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	94.4	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	94.5	96.3	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	94.5	96.5	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
≥ 500	94.5	96.7	96.8	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6
≥ 400	94.6	97.0	97.3	97.3	97.6	97.6	97.7	97.7	97.8	97.8	98.2	98.4	98.5	98.5	98.5	98.5
≥ 300	94.7	97.1	97.4	97.4	97.8	97.8	98.0	98.1	98.2	98.3	98.7	98.9	99.0	99.0	99.0	99.0
≥ 200	94.8	97.5	97.8	98.0	98.4	98.4	98.5	98.6	98.7	98.8	99.2	99.5	99.6	99.6	99.6	99.6
≥ 100	94.8	97.5	97.8	98.0	98.4	98.4	98.5	98.6	98.7	98.8	99.2	99.5	99.7	99.9	99.9	100.0
≥ 0	94.8	97.5	97.8	98.0	98.4	98.4	98.5	98.6	98.7	98.8	99.2	99.5	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1 7/8	≥1 3/4	≥1 1/2	≥1 1/4	≥1	≥7/8	≥5/8	≥1/2	≥1/4	0
NO CEILING	67.8	68.0	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
≥ 20000	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 12000	76.8	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	77.0
≥ 10000	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 8000	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 7000	83.1	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
≥ 6000	84.6	84.9	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
≥ 5000	86.2	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
≥ 4500	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	87.8	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
≥ 3500	89.5	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	90.8	91.4	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	91.8	92.6	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	92.8
≥ 2000	92.5	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1800	92.7	93.4	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1500	93.5	94.4	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	93.7	94.5	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	93.9	94.9	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	94.1	95.5	95.6	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	94.1	95.5	95.6	95.6	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	94.3	95.8	95.9	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	94.4	95.9	96.0	96.0	96.1	96.1	96.3	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6
≥ 500	94.5	96.6	96.7	96.7	96.8	96.8	97.1	97.1	97.1	97.6	97.6	98.0	98.0	98.0	98.0	98.0
≥ 400	94.5	96.8	96.9	97.0	97.1	97.1	97.6	97.6	97.6	98.2	98.2	98.5	98.5	98.5	98.5	98.5
≥ 300	94.6	96.9	97.0	97.1	97.2	97.2	97.7	97.7	97.7	98.3	98.3	98.6	98.6	98.6	98.6	98.6
≥ 200	94.7	97.4	97.5	97.7	97.8	97.8	98.4	98.4	98.4	99.0	99.1	99.5	99.6	99.6	99.7	99.7
≥ 100	94.7	97.4	97.5	97.7	97.8	97.8	98.4	98.4	98.4	99.0	99.1	99.5	99.7	99.8	99.9	99.9
≥ 0	94.7	97.4	97.5	97.7	97.8	97.8	98.4	98.4	98.4	99.0	99.1	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	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	74.4	74.4	74.4
≥ 18000	74.4	74.4	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
≥ 16000	74.4	74.4	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
≥ 14000	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	76.5	76.5	76.6	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
≥ 10000	79.5	79.6	79.6	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
≥ 9000	80.1	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
≥ 8000	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 7000	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	84.0	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 5000	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	86.1	86.3	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
≥ 4000	87.7	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500	88.8	89.1	89.2	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
≥ 3000	90.1	90.5	90.6	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
≥ 2500	91.1	91.6	91.7	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
≥ 2000	92.0	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
≥ 1800	92.1	92.6	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	93.1	93.9	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	93.4	94.2	94.4	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	93.7	94.7	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4
≥ 900	93.8	94.9	95.2	95.2	95.5	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	93.9	95.2	95.4	95.5	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	94.1	95.5	95.8	95.9	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	94.2	95.8	96.0	96.2	96.6	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	94.4	96.1	96.5	96.7	97.2	97.3	97.5	97.6	97.6	97.8	97.8	97.9	97.9	97.9	98.0	98.0
≥ 400	94.6	96.5	96.9	97.2	97.8	97.8	98.0	98.2	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7
≥ 300	94.6	96.7	97.2	97.5	98.1	98.2	98.4	98.6	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 200	94.7	96.9	97.5	97.8	98.4	98.5	98.7	99.0	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8
≥ 100	94.7	96.9	97.5	97.8	98.5	98.5	98.8	99.0	99.1	99.5	99.7	99.8	99.9	99.9	100.0	100.0
≥ 0	94.7	96.9	97.5	97.8	98.5	98.5	98.8	99.0	99.1	99.5	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7880

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	61.6	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.3
≥ 20000	65.2	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	66.0
≥ 18000	65.3	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1
≥ 16000	65.3	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1
≥ 14000	66.2	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	67.0
≥ 12000	67.7	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.4
≥ 10000	70.7	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.4
≥ 9000	71.0	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.8
≥ 8000	74.1	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.0
≥ 7000	74.8	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.8
≥ 6000	75.4	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.4
≥ 5000	77.7	78.3	78.3	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.8
≥ 4500	78.4	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.6
≥ 4000	79.3	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.7
≥ 3500	80.3	81.4	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.1
≥ 3000	81.2	82.6	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.3
≥ 2500	83.0	84.7	85.1	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.8
≥ 2000	83.8	85.8	86.2	86.4	86.8	86.8	86.8	86.8	86.8	86.9	86.8	86.8	86.9	86.9	87.0
≥ 1800	83.9	86.1	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.3
≥ 1500	84.4	86.8	87.2	87.4	87.8	87.8	87.9	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.3
≥ 1200	85.1	87.4	87.9	88.1	88.4	88.4	88.6	88.6	88.6	88.8	88.8	88.8	88.9	88.9	89.0
≥ 1000	85.4	87.8	88.2	88.6	88.9	88.9	89.1	89.2	89.2	89.4	89.4	89.4	89.6	89.6	89.7
≥ 900	85.8	88.1	88.6	88.9	89.2	89.2	89.4	89.6	89.6	89.8	89.8	89.8	89.9	89.9	90.0
≥ 800	85.8	88.2	88.7	89.0	89.3	89.3	89.6	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.2
≥ 700	85.8	88.6	89.0	89.3	89.7	89.7	89.9	90.1	90.1	90.3	90.7	90.7	90.8	90.8	90.9
≥ 600	85.9	89.2	89.7	90.0	90.3	90.3	90.9	91.3	91.4	91.8	92.1	92.1	92.2	92.2	92.3
≥ 500	86.1	89.8	90.4	90.8	91.1	91.2	91.9	92.4	92.7	93.0	93.4	93.6	93.7	93.7	94.0	94.1
≥ 400	86.2	90.0	90.7	91.0	91.3	91.4	92.1	92.9	93.1	93.6	94.1	94.2	94.3	94.3	94.8	94.9
≥ 300	86.3	90.3	91.4	92.0	92.6	92.7	93.4	94.3	94.6	95.0	95.6	95.7	95.8	95.8	96.2	96.4
≥ 200	86.3	90.4	91.6	92.2	92.8	92.9	93.8	94.7	95.0	96.1	96.8	97.0	97.3	97.3	97.8	98.8
≥ 100	86.3	90.4	91.6	92.2	92.8	92.9	93.8	94.7	95.0	96.1	96.8	97.1	97.4	97.4	98.8	99.8
≥ 0	86.3	90.4	91.6	92.2	92.8	92.9	93.8	94.7	95.0	96.1	96.8	97.1	97.4	97.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC JUL 64 0-14-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOUR LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2
≥ 20000	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.6	68.6
≥ 18000	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.8	68.8
≥ 16000	68.3	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	69.0	69.0
≥ 14000	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.3	69.3
≥ 12000	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0
≥ 10000	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.6	72.6
≥ 9000	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.7	72.7
≥ 8000	74.7	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3
≥ 7000	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.0
≥ 6000	76.0	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.8	76.8
≥ 5000	78.3	78.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.2	79.2
≥ 4500	79.4	79.8	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.3	80.3
≥ 4000	80.7	81.0	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.7	81.7
≥ 3500	81.0	81.3	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	82.0	82.0
≥ 3000	82.4	83.0	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.7	83.7
≥ 2500	83.6	84.4	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.6	85.6
≥ 2000	84.1	85.1	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2
≥ 1800	84.3	85.6	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.7	86.7
≥ 1500	84.6	85.9	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.2	87.3	87.3	87.3	87.3	87.4	87.4
≥ 1200	85.0	86.6	87.2	87.2	87.7	87.7	87.7	87.7	87.8	88.0	88.1	88.1	88.1	88.1	88.2	88.2
≥ 1000	85.3	87.0	87.7	87.7	88.2	88.2	88.2	88.6	88.7	88.9	89.0	89.0	89.0	89.0	89.1	89.1
≥ 900	85.4	87.1	87.8	87.8	88.3	88.3	88.3	88.7	88.8	89.0	89.2	89.3	89.3	89.3	89.4	89.4
≥ 800	85.7	87.3	88.0	88.0	88.6	88.6	88.6	89.0	89.1	89.3	89.6	89.7	89.7	89.7	89.8	89.8
≥ 700	85.9	87.7	88.3	88.3	88.9	88.9	88.9	89.3	89.4	89.7	90.0	90.1	90.1	90.1	90.2	90.2
≥ 600	86.1	88.2	89.0	89.0	89.6	89.6	89.9	90.6	90.7	91.0	91.3	91.4	91.4	91.4	91.6	91.6
≥ 500	86.6	88.7	89.7	90.0	90.7	90.7	91.1	91.9	92.0	92.6	93.0	93.1	93.2	93.2	93.4	93.4
≥ 400	86.7	89.0	90.0	90.4	91.1	91.1	91.6	92.3	92.4	93.1	93.9	94.0	94.1	94.1	94.3	94.3
≥ 300	86.7	89.3	90.6	91.0	92.0	92.0	92.6	93.6	93.9	94.7	95.6	95.7	95.9	95.9	96.1	96.1
≥ 200	86.7	89.6	90.9	91.3	92.4	92.4	93.0	94.3	94.8	96.0	96.9	97.0	97.4	97.6	98.1	98.2
≥ 100	86.7	89.6	90.9	91.3	92.6	92.6	93.1	94.4	94.9	96.1	97.0	97.2	97.9	98.2	98.9	99.3
≥ 0	86.7	89.6	90.9	91.3	92.6	92.6	93.1	94.4	94.9	96.1	97.0	97.2	97.9	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-1800 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.9	59.9
≥ 20000	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.3	66.3
≥ 18000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.6	66.6
≥ 16000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.6	66.6
≥ 14000	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	66.4	66.7	66.7
≥ 12000	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.2	68.2
≥ 10000	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	71.8	72.0	72.0
≥ 9000	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.6	72.6
≥ 8000	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.2	77.2
≥ 7000	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	78.0	78.0
≥ 6000	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.2	78.2
≥ 5000	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.3	80.3
≥ 4500	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.1	81.3	81.3
≥ 4000	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.3	82.6	82.6
≥ 3500	81.9	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.7	82.7	82.7	82.7	82.8	83.0	83.0
≥ 3000	83.6	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.6	84.6	84.7	84.9	84.9
≥ 2500	84.3	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.9	86.1	86.1	86.2	86.4	86.4
≥ 2000	84.4	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.3	86.6	86.6	86.7	86.9	86.9
≥ 1800	84.6	85.7	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.6	86.8	86.8	86.9	87.1	87.1
≥ 1500	84.8	86.2	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.4	87.7	87.7	87.8	88.0	88.0
≥ 1200	85.2	86.7	87.3	87.4	87.4	87.4	87.4	87.4	87.6	87.9	88.0	88.2	88.2	88.3	88.6	88.6
≥ 1000	85.6	87.0	87.8	87.9	87.9	87.9	87.9	88.2	88.7	89.0	89.2	89.7	89.7	89.8	90.1	90.0
≥ 900	85.8	87.3	88.1	88.2	88.2	88.2	88.2	88.6	89.0	89.3	89.6	90.1	90.1	90.3	90.6	90.6
≥ 800	86.3	87.9	88.7	88.9	89.0	89.0	89.1	89.6	90.0	90.4	90.8	91.3	91.4	91.7	91.9	91.9
≥ 700	86.6	88.3	89.2	89.6	89.9	89.9	90.0	90.6	91.0	91.4	91.8	92.3	92.4	92.7	92.9	92.9
≥ 600	86.6	88.6	89.4	89.8	90.1	90.1	90.2	90.8	91.3	92.0	92.4	93.0	93.1	93.3	93.6	93.6
≥ 500	86.7	88.8	89.7	90.0	90.3	90.3	90.4	91.0	91.7	92.3	92.8	93.3	93.4	93.7	93.9	93.9
≥ 400	86.8	89.6	90.4	90.8	91.1	91.1	91.2	91.9	92.7	93.6	94.3	94.9	95.0	95.2	95.4	95.4
≥ 300	86.9	89.9	90.8	91.1	91.7	91.7	91.8	92.6	93.4	94.3	95.4	96.0	96.2	96.3	96.6	96.6
≥ 200	86.9	90.0	91.0	91.4	92.1	92.1	92.2	93.2	94.2	95.1	96.2	96.9	97.2	97.8	98.4	98.9
≥ 100	86.9	90.0	91.0	91.4	92.3	92.3	92.4	93.6	94.6	95.4	96.6	97.3	97.8	98.3	99.0	99.8
0	86.9	90.0	91.0	91.4	92.3	92.3	92.4	93.6	94.6	95.4	96.6	97.3	97.8	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	57.6	58.0	58.0	58.0	59.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	65.8	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6	66.6	66.6
≥ 18000	66.6	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
≥ 16000	66.8	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6
≥ 14000	67.3	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
≥ 12000	69.9	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7
≥ 10000	73.1	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0
≥ 9000	73.9	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8
≥ 8000	76.8	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8
≥ 7000	77.9	78.6	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.2	79.2	79.3
≥ 6000	78.2	78.9	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.6	79.6	79.7
≥ 5000	79.4	80.2	80.3	80.4	80.6	80.7	80.7	80.8	80.8	80.8	80.8	81.0	81.1	81.2	81.3
≥ 4500	79.7	80.4	80.6	80.7	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.2	81.3	81.4	81.6
≥ 4000	80.1	81.1	81.2	81.3	81.6	81.7	81.8	82.1	82.1	82.1	82.1	82.3	82.4	82.6	82.7
≥ 3500	80.8	81.9	82.1	82.2	82.6	82.7	82.8	83.1	83.1	83.1	83.1	83.3	83.4	83.6	83.7
≥ 3000	81.7	82.8	83.0	83.2	83.6	83.7	83.8	84.2	84.2	84.2	84.2	84.4	84.6	84.7	84.8
≥ 2500	82.1	83.7	83.9	84.1	84.4	84.6	84.8	85.2	85.2	85.3	85.4	85.7	85.8	85.9	86.0
≥ 2000	82.6	84.3	84.8	85.0	85.4	85.6	85.8	86.2	86.2	86.4	86.6	86.8	86.9	87.0	87.1
≥ 1800	82.7	84.4	84.9	85.2	85.7	85.8	86.0	86.4	86.4	86.7	86.8	87.0	87.1	87.2	87.3
≥ 1500	83.1	84.9	85.3	85.8	86.4	86.6	87.0	87.6	87.6	87.8	87.9	88.1	88.4	88.6	88.7
≥ 1200	84.1	85.9	86.4	86.9	87.6	87.7	88.2	88.8	88.8	89.0	89.1	89.3	89.7	89.8	89.9
≥ 1000	84.4	86.3	86.9	87.3	88.1	88.2	88.8	89.4	89.8	90.0	90.4	90.7	91.2	91.3	91.4
≥ 900	84.6	86.6	87.1	87.7	88.6	88.7	89.2	89.9	90.2	90.4	90.9	91.2	91.8	91.9	92.0
≥ 800	84.9	86.9	87.4	88.0	89.0	89.2	89.8	90.4	91.0	91.2	91.7	92.0	92.4	92.7	92.8
≥ 700	84.9	87.0	87.6	88.1	89.2	89.4	90.0	90.8	91.3	91.8	92.2	92.6	93.1	93.2	93.3
≥ 600	85.3	88.2	88.8	89.3	90.4	90.7	91.4	92.4	93.0	93.4	93.9	94.2	94.8	94.9	95.0
≥ 500	85.9	88.8	89.4	90.1	91.2	91.4	92.2	93.3	93.9	94.3	95.0	95.3	96.0	96.1	96.2
≥ 400	86.1	89.0	89.8	90.4	91.7	91.9	92.7	93.8	94.4	95.1	95.8	96.2	97.0	97.1	97.2
≥ 300	86.1	89.0	89.8	90.4	91.7	91.9	92.8	94.0	94.7	95.4	96.2	96.7	97.7	97.8	97.9
≥ 200	86.1	89.0	89.8	90.4	91.7	91.9	93.0	94.3	95.1	96.1	96.9	97.4	98.6	98.8	99.1
≥ 100	86.1	89.0	89.8	90.4	91.7	91.9	93.0	94.4	95.2	96.2	97.0	97.7	98.8	99.0	99.4
= 0	86.1	89.0	89.8	90.4	91.7	91.9	93.0	94.4	95.2	96.2	97.0	97.7	98.8	99.0	99.6

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	58.7	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
≥ 20000	66.2	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 18000	66.4	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
≥ 16000	66.7	67.2	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
≥ 14000	67.8	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	68.4
≥ 12000	70.1	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
≥ 10000	73.9	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	75.3	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	77.8	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	79.0	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 6000	79.4	80.0	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.8	80.8	81.0	81.0	81.0	81.0	81.0
≥ 5000	80.2	80.9	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.7	81.7	81.9	81.9	81.9	81.9	81.9
≥ 4500	80.6	81.2	81.7	81.7	81.7	81.8	81.8	81.8	81.8	82.0	82.0	82.2	82.2	82.2	82.2	82.2
≥ 4000	81.9	82.6	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.4	83.4	83.7	83.7	83.7	83.8	83.8
≥ 3500	82.7	83.3	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.2	84.2	84.4	84.4	84.4	84.6	84.6
≥ 3000	83.8	84.4	85.0	85.0	85.0	85.2	85.2	85.2	85.2	85.4	85.4	85.7	85.7	85.7	85.8	85.8
≥ 2500	84.4	85.2	85.8	85.8	85.8	86.0	86.0	86.0	86.1	86.3	86.6	86.6	86.8	86.8	86.8	86.9
≥ 2000	85.1	86.3	87.0	87.0	87.3	87.6	87.6	87.7	87.9	88.1	88.1	88.3	88.3	88.3	88.4	88.4
≥ 1800	85.1	86.3	87.0	87.0	87.3	87.6	87.6	87.7	87.9	88.1	88.1	88.3	88.3	88.3	88.4	88.4
≥ 1500	86.2	87.9	88.6	88.6	88.9	89.1	89.3	89.7	89.9	90.1	90.1	90.3	90.3	90.3	90.4	90.4
≥ 1200	86.6	88.3	89.0	89.2	89.8	90.0	90.2	90.7	90.9	91.1	91.1	91.3	91.4	91.4	91.6	91.6
≥ 1000	86.7	88.8	89.4	89.8	90.3	90.6	91.3	91.8	92.0	92.3	92.3	92.6	92.7	92.7	92.8	92.8
≥ 900	86.7	88.8	89.4	89.9	90.4	90.7	91.6	92.0	92.2	92.6	92.6	92.8	92.9	92.9	93.0	93.0
≥ 800	87.0	89.6	90.2	90.8	91.3	91.6	92.4	92.9	93.1	93.4	93.4	93.7	93.8	93.8	93.9	93.9
≥ 700	87.3	89.9	90.7	91.2	91.9	92.1	93.0	93.7	93.9	94.6	94.6	94.8	94.9	94.9	95.0	95.0
≥ 600	88.0	90.6	91.6	92.1	92.8	93.0	93.9	94.6	94.8	95.4	95.4	95.7	95.8	95.8	95.9	95.9
≥ 500	88.2	91.0	92.0	92.6	93.2	93.4	94.3	95.2	95.4	96.1	96.2	96.6	96.8	96.8	96.9	96.9
≥ 400	88.4	91.2	92.2	92.9	93.7	93.9	94.8	95.7	95.9	96.9	97.0	97.3	97.6	97.6	97.7	97.7
≥ 300	88.6	91.4	92.6	93.4	94.2	94.4	95.4	96.7	97.1	98.1	98.4	98.8	99.0	99.0	99.1	99.1
≥ 200	88.6	91.4	92.6	93.7	94.4	94.7	95.8	97.0	97.4	98.4	98.8	99.1	99.4	99.6	99.8	100.0
≥ 100	88.6	91.4	92.6	93.7	94.4	94.7	95.8	97.0	97.4	98.4	98.8	99.1	99.4	99.6	99.8	100.0
	88.6	91.4	92.6	93.7	94.4	94.7	95.8	97.0	97.4	98.4	98.8	99.1	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOUR LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	55.4	55.6	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	63.3	63.4	63.6	63.6	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	64.1	64.2	64.3	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	64.3	64.4	64.6	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 14000	66.1	66.2	66.3	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	69.6	69.8	69.9	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
≥ 10000	72.8	73.0	73.1	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 9000	73.8	74.0	74.1	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	76.6	76.9	77.0	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	77.8	78.1	78.2	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 6000	78.9	79.2	79.4	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	80.3	80.7	80.9	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500	80.6	80.9	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	82.0	82.4	82.7	82.7	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	83.2	83.8	84.2	84.3	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3000	83.6	84.2	84.7	84.8	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	84.3	85.3	86.0	86.1	86.7	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	84.8	85.9	86.6	86.9	87.4	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1800	85.2	86.3	87.0	87.3	87.9	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500	85.6	87.1	87.9	88.2	88.8	88.9	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	86.0	88.0	88.8	89.3	90.1	90.2	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1000	86.4	89.0	89.8	90.4	91.2	91.4	92.4	92.6	92.6	92.7	92.9	93.0	93.0	93.0	93.0	93.0
≥ 900	86.7	89.2	90.0	90.7	91.4	91.7	92.7	92.9	92.9	93.0	93.2	93.3	93.3	93.3	93.3	93.3
≥ 800	87.0	89.6	90.3	91.0	91.8	92.0	93.1	93.3	93.3	93.4	93.7	93.8	93.8	93.8	93.8	93.8
≥ 700	87.1	90.0	90.8	91.6	92.6	92.8	93.9	94.1	94.2	94.6	94.8	94.9	95.0	95.0	95.0	95.0
≥ 600	87.6	90.7	91.7	92.6	93.6	93.8	94.9	95.4	95.6	95.9	96.1	96.2	96.3	96.3	96.3	96.3
≥ 500	87.7	91.0	92.1	93.0	94.0	94.2	95.3	95.9	96.0	96.3	96.7	96.8	96.9	97.1	97.1	97.1
≥ 400	88.2	91.6	93.0	93.9	94.9	95.1	96.2	96.8	96.9	97.2	97.6	97.7	97.9	98.1	98.1	98.1
≥ 300	88.2	91.7	93.3	94.2	95.2	95.4	96.6	97.2	97.4	97.8	98.1	98.3	98.8	99.0	99.0	99.0
≥ 200	88.2	91.7	93.3	94.2	95.2	95.4	96.6	97.2	97.6	98.1	98.6	98.8	99.4	99.7	99.7	99.8
≥ 100	88.2	91.7	93.3	94.2	95.2	95.4	96.6	97.2	97.6	98.1	98.6	98.9	99.6	99.8	99.9	100.0
≥ 0	88.2	91.7	93.3	94.2	95.2	95.4	96.6	97.2	97.6	98.1	98.6	98.9	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	56.2	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1
≥ 20000	63.0	63.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0
≥ 18000	63.1	63.7	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1
≥ 16000	63.4	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4
≥ 14000	65.0	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0
≥ 12000	67.8	68.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8
≥ 10000	71.4	72.0	72.1	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
≥ 9000	71.8	72.3	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8
≥ 8000	74.1	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4
≥ 7000	76.1	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4
≥ 6000	77.7	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0
≥ 5000	78.7	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3
≥ 4500	79.0	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.7
≥ 4000	80.2	81.4	81.6	81.9	82.1	82.1	82.1	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4
≥ 3500	81.1	82.6	82.7	83.0	83.2	83.2	83.2	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.6
≥ 3000	81.6	83.2	83.3	83.7	83.9	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2
≥ 2500	82.6	84.4	84.6	84.9	85.1	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4
≥ 2000	83.2	85.3	85.7	86.0	86.2	86.2	86.2	86.3	86.3	86.4	86.4	86.4	86.6	86.6	86.6	86.6
≥ 1800	83.3	85.4	85.8	86.1	86.3	86.3	86.3	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
≥ 1500	84.0	86.3	86.7	87.0	87.6	87.6	87.7	87.8	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.1
≥ 1200	84.7	87.2	87.7	88.0	88.6	88.6	88.7	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.1
≥ 1000	85.1	88.3	88.8	89.1	89.7	89.7	89.8	89.9	89.9	90.0	90.3	90.3	90.4	90.4	90.4	90.4
≥ 900	85.6	88.9	89.3	89.7	90.2	90.2	90.3	90.6	90.6	90.7	91.0	91.1	91.2	91.2	91.2	91.2
≥ 800	85.7	89.1	89.6	89.9	90.4	90.4	90.6	90.8	90.8	91.1	91.4	91.6	91.7	91.7	91.7	91.7
≥ 700	86.0	90.3	90.9	91.2	91.8	91.8	91.9	92.1	92.1	92.4	92.9	93.2	93.4	93.4	93.4	93.4
≥ 600	86.3	91.2	91.8	92.1	92.7	92.7	92.8	93.3	93.7	94.0	94.4	94.9	95.1	95.1	95.1	95.1
≥ 500	87.1	92.1	92.7	93.0	93.7	93.7	93.8	94.4	94.8	95.1	95.6	96.0	96.3	96.3	96.6	96.7
≥ 400	87.3	92.7	93.3	93.9	94.6	94.6	94.7	95.3	95.7	96.0	96.4	96.9	97.2	97.2	97.4	97.6
≥ 300	87.3	92.8	93.6	94.1	94.9	94.9	95.1	95.9	96.2	96.6	97.1	97.6	97.9	97.9	98.1	98.3
≥ 200	87.3	92.8	93.6	94.2	95.1	95.1	95.3	96.1	96.4	97.1	97.8	98.2	98.6	98.6	98.8	99.3
≥ 100	87.3	92.8	93.6	94.2	95.1	95.1	95.3	96.1	96.4	97.1	97.8	98.3	98.7	98.7	99.4	100.0
≥ 0	87.3	92.8	93.6	94.2	95.1	95.1	95.3	96.1	96.4	97.1	97.8	98.3	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	58.7	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
≥ 20000	64.0	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9
≥ 18000	64.0	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9
≥ 16000	64.0	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9
≥ 14000	65.1	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0
≥ 12000	66.4	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3
≥ 10000	69.1	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0
≥ 9000	69.9	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8
≥ 8000	72.9	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1
≥ 7000	74.4	75.3	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
≥ 6000	75.3	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	76.6	76.6
≥ 5000	76.6	77.7	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.3
≥ 4500	77.1	78.2	78.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0	79.0
≥ 4000	78.6	79.7	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.7	80.7
≥ 3500	79.4	80.6	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.6
≥ 3000	80.0	81.2	81.6	81.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.3	82.3
≥ 2500	81.4	82.8	83.1	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.1	84.1
≥ 2000	82.7	84.4	84.8	84.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.8
≥ 1800	82.8	84.6	84.9	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
≥ 1500	83.1	84.9	85.2	85.3	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.6	86.6
≥ 1200	84.1	85.9	86.2	86.3	87.1	87.1	87.3	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.8	87.8
≥ 1000	84.4	86.3	86.7	86.9	87.9	87.9	88.1	88.2	88.3	88.3	88.6	88.6	88.6	88.6	88.8	88.8
≥ 900	84.7	86.8	87.1	87.3	88.3	88.3	88.6	88.8	88.9	89.1	89.3	89.4	89.4	89.4	89.7	89.7
≥ 800	84.8	87.2	87.6	87.8	88.8	88.8	89.0	89.2	89.3	89.6	89.8	89.9	89.9	89.9	90.1	90.1
≥ 700	85.2	88.1	88.4	88.7	89.7	89.7	89.9	90.1	90.2	90.4	90.9	91.0	91.1	91.1	91.4	91.4
≥ 600	85.4	88.7	89.1	89.3	90.3	90.3	90.8	91.2	91.7	92.0	92.4	92.6	92.7	92.7	93.0	93.0
≥ 500	86.0	90.3	90.8	91.0	92.0	92.3	92.8	93.4	94.0	94.3	94.8	94.9	95.0	95.0	95.3	95.3
≥ 400	86.1	90.6	91.3	91.6	92.6	92.9	93.4	94.1	94.7	95.0	95.4	95.6	95.7	95.7	96.0	96.0
≥ 300	86.2	90.9	92.2	92.4	93.4	93.9	94.6	95.3	95.9	96.3	96.9	97.0	97.3	97.3	97.7	97.7
≥ 200	86.2	91.0	92.4	92.8	93.8	94.2	95.0	95.8	96.4	96.9	97.4	97.7	98.3	98.3	98.7	99.3
≥ 100	86.2	91.0	92.6	92.9	93.9	94.3	95.1	95.9	96.6	97.0	97.6	97.8	98.4	98.4	99.2	100.0
≥ 0	86.2	91.0	92.6	92.9	93.9	94.3	95.1	95.9	96.6	97.0	97.6	97.8	98.4	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL (HOURS LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	58.8	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
≥ 20000	65.2	65.6	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 18000	65.5	65.9	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2
≥ 16000	65.6	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3
≥ 14000	66.6	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3	67.3
≥ 12000	68.6	69.0	69.0	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
≥ 10000	71.8	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.6
≥ 9000	72.5	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.3
≥ 8000	75.5	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.4
≥ 7000	76.6	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.6	77.6
≥ 6000	77.3	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.4	78.4
≥ 5000	78.9	79.5	79.7	79.7	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.1	80.1	80.2	80.2
≥ 4500	79.4	80.1	80.2	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6	80.7	80.8	80.8
≥ 4000	80.6	81.3	81.5	81.6	81.8	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.1	82.1	82.2	82.2
≥ 3500	81.3	82.1	82.4	82.5	82.7	82.8	82.8	82.8	82.8	82.9	82.9	83.0	83.0	83.1	83.2	83.2
≥ 3000	82.2	83.2	83.5	83.6	83.8	83.9	83.9	84.0	84.0	84.1	84.1	84.2	84.2	84.2	84.3	84.3
≥ 2500	83.2	84.5	84.9	85.0	85.3	85.3	85.4	85.5	85.6	85.6	85.7	85.8	85.8	85.8	85.9	85.9
≥ 2000	83.8	85.3	85.8	86.0	86.3	86.4	86.5	86.6	86.6	86.7	86.8	86.8	86.9	86.9	87.0	87.0
≥ 1800	84.0	85.6	86.1	86.2	86.6	86.6	86.7	86.8	86.8	86.9	87.0	87.1	87.1	87.1	87.2	87.3
≥ 1500	84.5	86.3	86.8	87.0	87.4	87.5	87.7	87.9	87.9	88.1	88.1	88.2	88.3	88.3	88.4	88.4
≥ 1200	85.1	87.0	87.6	87.8	88.3	88.4	88.6	88.8	88.9	89.0	89.1	89.2	89.3	89.3	89.4	89.4
≥ 1000	85.4	87.6	88.2	88.5	89.0	89.1	89.5	89.7	89.9	90.1	90.3	90.4	90.5	90.5	90.6	90.7
≥ 900	85.6	87.8	88.4	88.8	89.3	89.4	89.8	90.1	90.3	90.5	90.7	90.9	91.0	91.0	91.1	91.2
≥ 800	85.9	88.2	88.8	89.2	89.8	89.9	90.3	90.6	90.8	91.1	91.3	91.5	91.6	91.7	91.8	91.8
≥ 700	86.1	88.7	89.4	89.8	90.4	90.5	90.9	91.3	91.5	91.9	92.2	92.4	92.6	92.7	92.8	92.8
≥ 600	86.4	89.4	90.1	90.5	91.2	91.3	91.8	92.5	92.8	93.2	93.5	93.8	93.9	94.0	94.1	94.1
≥ 500	86.8	90.1	90.8	91.3	92.0	92.2	92.7	93.5	93.8	94.3	94.7	94.9	95.2	95.2	95.4	95.5
≥ 400	87.0	90.4	91.3	91.9	92.6	92.8	93.3	94.1	94.5	95.1	95.6	95.8	96.1	96.2	96.4	96.4
≥ 300	87.0	90.7	91.8	92.3	93.2	93.4	94.0	94.9	95.4	96.0	96.7	97.0	97.3	97.4	97.6	97.6
≥ 200	87.0	90.7	91.9	92.5	93.4	93.6	94.3	95.3	95.9	96.7	97.4	97.8	98.3	98.4	98.8	99.2
≥ 100	87.0	90.7	91.9	92.6	93.5	93.7	94.4	95.4	96.0	96.8	97.5	97.9	98.5	98.7	99.3	99.8
≥ 0	87.0	90.7	91.9	92.6	93.5	93.7	94.4	95.4	96.0	96.8	97.5	97.9	98.5	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (01 A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥5/16	≥¼	≥0
NO CEILING	62.0	63.1	63.1	63.1	63.1	63.1	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.6	63.6
≥ 20000	66.4	67.5	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	68.0	68.0
≥ 18000	66.5	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.1	68.1
≥ 16000	66.5	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.1	68.1
≥ 14000	67.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.7	68.7
≥ 12000	68.7	69.8	69.8	69.8	69.8	69.8	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.3	70.3
≥ 10000	71.2	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.8	72.8
≥ 9000	71.6	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.2	73.2
≥ 8000	73.8	74.9	74.9	75.0	75.0	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.6	75.6
≥ 7000	74.5	75.6	75.6	75.7	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.2	76.2
≥ 6000	76.1	77.2	77.2	77.3	77.3	77.3	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.8	77.8
≥ 5000	77.9	79.2	79.2	79.3	79.3	79.3	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.9	79.9
≥ 4500	78.0	79.3	79.3	79.4	79.4	79.4	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	80.0	80.0
≥ 4000	79.4	80.9	80.9	81.1	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.6	81.6
≥ 3500	80.0	81.8	81.8	81.9	81.9	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.5	82.5
≥ 3000	81.3	83.2	83.2	83.4	83.4	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	84.0	84.0
≥ 2500	82.6	84.6	84.6	84.8	84.8	84.8	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.4	85.4
≥ 2000	83.1	85.8	85.9	86.7	86.7	86.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.2	87.2
≥ 1800	83.2	85.9	86.0	86.8	86.8	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.3	87.3
≥ 1500	83.7	86.6	87.0	87.8	87.8	87.8	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.7	88.7
≥ 1200	84.1	87.2	87.4	88.3	88.3	88.3	88.7	88.8	88.8	89.1	89.2	89.2	89.2	89.2	89.5	89.5
≥ 1000	84.7	87.9	88.4	89.2	89.2	89.2	89.7	90.1	90.2	90.5	90.6	90.6	90.6	90.6	90.9	90.9
≥ 900	84.9	88.2	88.6	89.5	89.5	89.5	89.9	90.3	90.4	91.1	91.2	91.2	91.2	91.2	91.4	91.4
≥ 800	85.3	88.6	89.1	90.0	90.0	90.0	90.4	91.0	91.1	91.7	91.8	91.8	91.8	91.8	92.0	92.0
≥ 700	85.4	89.1	89.7	90.5	90.5	90.5	91.0	91.5	91.6	92.4	92.5	92.5	92.5	92.5	92.7	92.7
≥ 600	85.8	89.7	90.2	91.2	91.4	91.4	91.8	92.4	92.5	93.2	93.3	93.3	93.3	93.3	93.5	93.5
≥ 500	86.1	90.1	90.6	91.7	91.9	91.9	92.5	93.0	93.1	94.1	94.2	94.2	94.2	94.2	94.4	94.7
≥ 400	86.2	90.2	90.7	91.8	92.1	92.1	92.7	93.2	93.3	94.3	94.5	94.5	94.6	94.7	94.9	95.3
≥ 300	86.5	90.9	91.6	92.7	93.2	93.2	93.8	94.6	94.7	95.7	95.9	96.0	96.1	96.2	96.4	96.8
≥ 200	86.5	90.9	91.6	92.7	93.2	93.3	93.9	94.7	95.0	96.2	96.8	97.0	97.2	97.5	98.2	98.5
≥ 100	86.5	90.9	91.6	92.8	93.4	93.5	94.2	95.0	95.4	96.6	97.1	97.3	97.8	98.2	99.2	99.8
≥ 0	86.5	90.9	91.6	92.8	93.4	93.5	94.2	95.0	95.4	96.6	97.1	97.3	97.8	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM NOV 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅝	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	63.9	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	67.1	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	67.1	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	67.1	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	67.5	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	68.2	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥ 10000	71.5	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 9000	72.0	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000	74.2	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1
≥ 7000	75.1	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	76.6	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	78.0	78.6	78.6	78.7	78.8	78.8	78.9	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500	78.0	78.6	78.6	78.7	78.8	78.8	78.9	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4000	79.6	80.3	80.3	80.4	80.5	80.5	80.6	80.6	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	80.0	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	81.1	82.3	82.4	82.5	82.7	82.7	82.8	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	82.3	83.7	83.8	84.0	84.3	84.3	84.4	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	84.3	85.7	86.1	86.3	86.7	86.7	86.8	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1800	84.3	85.8	86.2	86.5	86.8	86.8	86.9	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	84.9	86.7	87.2	87.4	88.0	88.2	88.5	88.5	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	85.2	87.0	87.5	87.7	88.3	88.5	89.0	89.0	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	85.2	87.0	87.5	87.7	88.3	88.5	89.0	89.0	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥ 900	85.4	87.3	87.8	88.1	88.6	88.8	89.4	89.4	89.5	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	85.5	87.6	88.2	88.4	88.9	89.1	89.7	89.7	89.8	90.2	90.5	90.5	90.6	90.6	90.6	90.6
≥ 700	85.8	88.1	88.6	88.8	89.4	89.6	90.1	90.1	90.2	90.6	91.0	91.0	91.1	91.1	91.1	91.1
≥ 600	86.3	88.8	89.5	89.9	90.5	90.8	91.4	91.4	91.5	91.9	92.3	92.3	92.4	92.4	92.4	92.4
≥ 500	86.3	88.9	89.6	90.2	91.0	91.2	91.9	92.0	92.2	92.7	93.0	93.0	93.2	93.2	93.2	93.7
≥ 400	86.9	89.9	90.8	91.4	92.2	92.4	93.1	93.2	93.4	94.3	94.6	94.6	94.8	94.8	94.8	95.4
≥ 300	87.3	90.4	91.3	92.2	93.0	93.2	94.1	94.2	94.6	95.6	95.9	95.9	96.3	96.3	96.6	97.1
≥ 200	87.3	90.4	91.3	92.2	93.2	93.5	94.4	94.6	95.1	96.2	96.7	96.7	97.6	97.6	98.0	98.7
≥ 100	87.3	90.4	91.3	92.2	93.5	93.9	94.7	94.9	95.5	96.7	97.1	97.1	98.1	98.3	98.6	99.7
≥ 0	87.3	90.4	91.3	92.2	93.5	93.9	94.7	94.9	95.5	96.7	97.2	97.2	98.2	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 101-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	56.2	56.9	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5
≥ 20000	62.2	62.8	63.1	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4
≥ 18000	62.3	62.9	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5
≥ 16000	62.3	62.9	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5
≥ 14000	62.8	63.4	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
≥ 12000	64.2	64.8	65.2	65.2	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6
≥ 10000	68.4	69.2	69.6	69.6	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1
≥ 9000	69.1	70.0	70.3	70.3	70.5	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9
≥ 8000	72.2	73.1	73.4	73.4	73.7	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0
≥ 7000	73.3	74.3	74.6	74.6	74.8	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2
≥ 6000	74.6	75.6	75.9	75.9	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5
≥ 5000	77.5	78.8	79.1	79.1	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7
≥ 4500	77.5	78.8	79.1	79.1	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7
≥ 4000	79.9	81.3	81.6	81.6	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2
≥ 3500	80.8	82.2	82.6	82.6	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1
≥ 3000	81.7	83.1	83.5	83.5	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2
≥ 2500	83.3	84.8	85.3	85.3	85.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0
≥ 2000	84.4	86.3	86.8	87.1	87.5	87.5	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1
≥ 1800	84.4	86.5	86.9	87.2	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5
≥ 1500	84.5	86.6	87.0	87.3	87.8	87.8	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥ 1200	84.9	87.0	87.4	87.8	88.4	88.5	88.9	89.2	89.2	89.2	89.4	89.4	89.4	89.5	89.6	89.6
≥ 1000	85.1	87.1	87.6	88.1	88.6	88.7	89.1	89.5	89.5	89.5	89.6	89.6	89.6	89.7	89.8	89.8
≥ 900	85.7	88.0	88.5	89.1	89.7	89.8	90.2	90.5	90.5	90.5	90.6	90.8	90.8	90.9	91.0	91.0
≥ 800	86.2	88.7	89.2	89.9	90.4	90.5	91.0	91.4	91.5	91.7	91.8	91.9	92.2	92.3	92.4	92.5
≥ 700	86.3	88.8	89.4	90.1	90.6	90.8	91.2	91.7	91.8	92.0	92.2	92.3	92.5	92.6	92.7	92.8
≥ 600	86.5	89.4	89.9	90.6	91.2	91.3	91.7	92.4	92.5	92.7	92.8	92.9	93.1	93.2	93.3	93.4
≥ 500	87.0	90.0	90.5	91.4	91.9	92.0	92.6	93.3	93.4	94.1	94.2	94.3	94.6	94.7	95.2	95.6
≥ 400	87.1	90.6	91.2	92.2	92.7	92.8	93.3	94.2	94.3	94.9	95.1	95.2	95.6	95.7	96.1	96.7
≥ 300	87.1	90.9	91.7	92.8	93.4	93.7	94.3	95.2	95.3	96.1	96.2	96.3	96.9	97.1	97.7	98.3
≥ 200	87.1	90.9	91.7	92.8	93.4	93.7	94.4	95.4	95.5	96.6	96.7	96.8	97.4	97.7	98.9	99.6
≥ 100	87.1	90.9	91.7	92.8	93.5	93.8	94.5	95.5	95.6	96.7	96.8	96.9	97.5	97.8	99.2	100.0
≥ 0	87.1	90.9	91.7	92.8	93.5	93.8	94.5	95.5	95.6	96.7	96.8	96.9	97.5	97.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	[illegible]	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥⅝	≥½	≥0
NO CEILING	53.2	53.9	54.1	54.2	54.3	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	62.2	62.9	63.2	63.2	63.4	63.5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	62.9	63.7	64.0	64.0	64.2	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	62.9	63.7	64.0	64.0	64.2	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	63.9	64.6	64.9	64.9	65.2	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000	65.9	66.7	67.0	67.0	67.2	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	70.1	70.9	71.2	71.2	71.4	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 9000	70.4	71.4	71.7	71.7	71.9	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000	73.8	74.8	75.2	75.2	75.4	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000	75.9	77.0	77.3	77.3	77.5	77.6	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	77.3	78.5	78.8	78.9	79.2	79.4	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	79.4	80.5	81.0	81.1	81.5	81.6	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	79.8	81.0	81.4	81.5	81.9	82.0	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	81.6	82.8	83.4	83.7	84.1	84.2	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	81.9	83.1	83.8	84.0	84.4	84.5	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3000	83.0	84.3	84.9	85.4	85.9	86.0	86.2	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7
≥ 2500	83.8	85.5	86.1	86.6	87.1	87.2	87.4	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	88.0
≥ 2000	84.0	86.3	87.0	87.7	88.3	88.4	88.6	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.1
≥ 1800	84.0	86.3	87.0	87.7	88.3	88.4	88.6	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.1
≥ 1500	84.5	87.1	87.7	88.6	89.2	89.4	89.8	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.3
≥ 1200	85.1	88.0	88.6	89.6	90.2	90.3	90.8	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.5
≥ 1000	85.5	88.4	89.0	90.0	90.6	90.8	91.4	91.8	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.3
≥ 900	85.6	88.5	89.1	90.1	90.8	90.9	91.5	92.3	92.4	92.4	92.5	92.7	92.7	92.7	92.7	92.9
≥ 800	86.1	89.2	89.9	90.9	91.6	91.7	92.4	93.4	93.5	93.5	93.7	93.9	94.0	94.0	94.0	94.5
≥ 700	86.1	89.4	90.1	91.1	91.8	91.9	92.8	93.9	94.0	94.1	94.2	94.4	94.5	94.5	94.6	95.3
≥ 600	86.3	89.8	90.5	91.6	92.4	92.6	93.4	94.8	94.9	95.2	95.3	95.5	95.6	95.6	95.7	96.5
≥ 500	86.8	90.2	91.1	92.2	93.0	93.2	94.2	95.6	95.7	95.9	96.0	96.2	96.5	96.5	96.8	97.5
≥ 400	86.8	90.2	91.1	92.2	93.0	93.2	94.3	95.8	95.9	96.2	96.5	96.8	97.1	97.1	97.5	98.3
≥ 300	86.8	90.3	91.2	92.5	93.3	93.5	94.6	96.1	96.2	96.6	96.8	97.1	97.4	97.5	98.1	98.8
≥ 200	86.8	90.3	91.2	92.5	93.4	93.7	94.7	96.2	96.3	96.8	97.2	97.5	97.8	98.1	98.8	99.7
≥ 100	86.8	90.3	91.2	92.5	93.4	93.7	94.8	96.3	96.5	96.9	97.4	97.7	98.2	98.4	99.1	100.0
≥ 0	86.8	90.3	91.2	92.5	93.4	93.7	94.8	96.3	96.5	96.9	97.4	97.7	98.2	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 1200-1400 (HOUR LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 14000	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 12000	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 10000	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000	76.5	77.4	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 7000	78.4	79.4	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 6000	80.0	81.0	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 5000	81.5	82.6	82.8	82.8	82.8	82.8	82.8	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4500	81.7	82.8	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	84.8	85.9	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	85.1	86.2	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	85.9	87.6	87.8	88.1	88.1	88.1	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500	86.2	88.0	88.2	88.4	88.5	88.5	88.7	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 2000	86.9	89.2	89.5	89.8	89.9	89.9	89.9	90.2	90.5	90.8	90.8	90.8	90.9	90.9	90.9	90.9
≥ 1800	87.0	89.4	89.6	89.9	90.0	90.0	90.3	90.6	90.6	90.9	90.9	90.9	91.0	91.0	91.0	91.0
≥ 1500	87.1	89.5	89.7	90.0	90.1	90.1	90.6	91.0	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4
≥ 1200	88.0	90.3	90.5	90.9	91.1	91.1	91.6	92.2	92.2	92.5	92.6	92.6	92.7	92.7	92.7	92.7
≥ 1000	88.1	90.5	90.8	91.2	91.4	91.4	91.9	92.9	93.0	93.4	93.7	93.7	93.8	93.8	93.8	93.8
≥ 900	88.1	90.9	91.1	91.7	91.9	92.0	92.6	93.5	93.7	94.1	94.3	94.3	94.4	94.4	94.4	94.4
≥ 800	88.5	91.5	91.7	92.4	92.6	92.7	93.2	94.3	94.4	94.8	95.1	95.1	95.3	95.3	95.3	95.8
≥ 700	88.5	91.8	92.2	92.8	93.2	93.3	93.9	94.9	95.1	95.7	95.9	95.9	96.1	96.1	96.1	96.9
≥ 600	88.5	91.9	92.3	92.9	93.4	93.5	94.1	95.2	95.3	96.0	96.3	96.5	96.7	96.7	96.7	97.4
≥ 500	88.6	92.0	92.4	93.0	93.5	93.7	94.2	95.3	95.4	96.1	96.5	96.6	96.8	96.8	96.8	97.6
≥ 400	88.6	92.2	92.6	93.4	94.0	94.1	94.6	95.8	95.9	96.8	97.1	97.3	97.6	97.6	97.6	98.5
≥ 300	88.6	92.2	92.6	93.4	94.1	94.2	94.7	95.9	96.1	97.1	97.4	97.6	98.1	98.1	98.1	99.0
≥ 200	88.6	92.2	92.6	93.5	94.3	94.4	94.9	96.1	96.3	97.3	97.7	98.0	98.5	98.5	98.5	99.6
> 100	88.6	92.2	92.6	93.5	94.3	94.4	94.9	96.1	96.3	97.4	97.8	98.1	98.6	98.6	98.6	100.0
> 0	88.6	92.2	92.6	93.5	94.3	94.4	94.9	96.1	96.3	97.4	97.8	98.1	98.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING	53.9	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	63.8	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5
≥ 18000	64.4	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0
≥ 16000	64.7	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3
≥ 14000	66.1	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7
≥ 12000	70.2	70.6	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	70.9
≥ 10000	74.0	74.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9
≥ 9000	74.7	75.1	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
≥ 8000	78.4	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5
≥ 7000	80.3	80.9	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	81.5
≥ 6000	81.2	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 5000	82.2	83.0	83.2	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1
≥ 4500	82.6	83.4	83.6	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5
≥ 4000	83.7	84.7	84.9	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8
≥ 3500	85.1	86.7	86.9	87.5	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9
≥ 3000	85.7	87.5	87.8	88.5	88.6	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
≥ 2500	86.2	88.1	88.5	89.3	89.5	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥ 2000	87.1	89.2	89.9	91.0	91.1	91.1	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.7
≥ 1800	87.2	89.3	90.0	91.1	91.2	91.2	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.8
≥ 1500	87.3	89.6	90.3	91.4	91.6	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥ 1200	87.6	90.1	90.9	91.9	92.1	92.1	92.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 1000	87.8	90.5	91.3	92.4	92.6	92.6	92.9	93.0	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.5
≥ 900	88.1	90.7	91.6	92.7	92.9	92.9	93.2	93.3	93.4	93.6	93.6	93.8	93.8	93.8	93.8	93.9
≥ 800	88.2	91.0	91.8	92.9	93.1	93.1	93.4	93.5	93.6	94.0	94.0	94.3	94.4	94.4	94.5	94.8
≥ 700	88.2	91.2	92.4	93.8	94.0	94.0	94.3	94.4	94.5	94.8	94.8	95.2	95.3	95.3	95.4	96.0
≥ 600	88.2	91.2	92.5	93.9	94.1	94.2	94.5	94.6	94.7	95.5	95.5	95.8	95.9	95.9	96.0	96.8
≥ 500	88.2	91.2	92.5	93.9	94.1	94.2	94.5	94.6	94.7	95.5	95.5	95.8	96.0	96.1	96.2	97.0
≥ 400	88.4	91.4	92.7	94.2	94.4	94.5	94.8	95.0	95.2	95.9	96.0	96.4	96.6	96.9	97.0	97.7
≥ 300	88.5	91.5	93.0	94.5	94.8	94.9	95.3	95.5	95.6	96.3	96.6	97.1	97.4	97.5	97.6	98.7
≥ 200	88.5	91.5	93.0	94.5	94.8	94.9	95.3	95.5	95.6	96.4	96.7	97.3	97.6	97.8	98.2	99.2
≥ 100	88.5	91.5	93.0	94.5	94.8	94.9	95.3	95.5	95.6	96.4	96.7	97.3	97.8	98.2	98.7	100.0
0	88.5	91.5	93.0	94.5	94.8	94.9	95.3	95.5	95.6	96.4	96.7	97.3	97.8	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING	54.8	55.4	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0
≥ 20000	63.3	64.0	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
≥ 18000	63.6	64.4	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0
≥ 16000	63.6	64.4	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0
≥ 14000	63.9	64.7	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
≥ 12000	67.0	68.0	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7
≥ 10000	70.7	71.8	72.1	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5
≥ 9000	71.5	72.6	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
≥ 8000	73.4	74.5	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2
≥ 7000	75.5	76.6	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2
≥ 6000	77.6	78.7	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 5000	80.1	81.3	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2
≥ 4500	80.3	81.5	82.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4
≥ 4000	81.2	82.5	82.9	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4
≥ 3500	82.4	84.0	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1
≥ 3000	83.2	85.1	85.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2
≥ 2500	83.9	85.9	86.6	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3
≥ 2000	84.7	86.6	87.4	87.6	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 1800	84.9	86.8	87.6	87.8	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3
≥ 1500	85.4	87.6	88.4	88.9	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4
≥ 1200	85.7	88.2	89.2	89.6	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.4	90.4
≥ 1000	86.7	89.7	90.7	91.1	91.5	91.6	91.7	91.8	91.8	91.8	91.8	91.8	92.0	92.1	92.2	92.2
≥ 900	87.4	90.5	91.5	91.9	92.2	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.9	93.0	93.1	93.1
≥ 800	87.5	90.8	92.0	92.5	92.9	93.0	93.4	93.5	93.5	93.5	93.5	93.7	94.1	94.5	94.6	94.6
≥ 700	87.5	90.8	92.0	92.5	92.9	93.0	93.4	93.6	93.6	93.7	93.7	94.0	94.3	94.7	94.8	94.8
≥ 600	87.8	91.4	92.8	93.4	93.7	93.8	94.3	94.5	94.5	94.6	94.6	94.8	95.1	95.6	95.8	95.8
≥ 500	88.2	92.2	93.7	94.4	94.7	94.8	95.2	95.5	95.5	95.7	95.7	95.9	96.3	96.8	97.2	97.2
≥ 400	88.3	92.4	94.0	94.6	94.9	95.0	95.5	95.7	95.7	95.9	95.9	96.1	96.9	97.3	97.7	97.9
≥ 300	88.4	92.5	94.1	94.7	95.0	95.1	95.7	95.9	95.9	96.3	96.3	96.7	97.4	97.8	98.3	98.5
≥ 200	88.4	92.7	94.2	94.8	95.1	95.2	96.0	96.3	96.3	96.9	97.0	97.3	98.2	98.7	99.4	99.6
≥ 100	88.4	92.7	94.2	94.8	95.1	95.2	96.0	96.3	96.3	96.9	97.0	97.3	98.4	98.9	99.8	100.0
≥ 0	88.4	92.7	94.2	94.8	95.1	95.2	96.0	96.3	96.3	96.9	97.0	97.3	98.4	98.9	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	57.1	57.6	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 20000	64.1	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0
≥ 18000	64.6	65.2	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6
≥ 16000	64.6	65.2	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6
≥ 14000	65.3	65.8	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.3
≥ 12000	67.6	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.7
≥ 10000	69.9	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	71.0
≥ 9000	70.2	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.3
≥ 8000	72.5	73.0	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.6
≥ 7000	74.8	75.3	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.8
≥ 6000	76.4	76.9	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.6
≥ 5000	78.2	78.9	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.5
≥ 4500	78.5	79.2	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.8
≥ 4000	80.7	81.4	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.2
≥ 3500	82.2	83.0	83.2	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.8
≥ 3000	83.4	84.8	85.1	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.7	85.8
≥ 2500	84.6	86.2	86.5	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.4
≥ 2000	85.5	87.2	87.6	88.2	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.0
≥ 1800	85.5	87.2	87.6	88.2	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.0
≥ 1500	86.2	88.3	88.8	89.4	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.3
≥ 1200	86.5	88.9	89.3	90.0	90.5	90.5	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.2	91.3
≥ 1000	87.2	89.5	90.0	90.9	91.6	91.6	91.9	92.1	92.1	92.3	92.6	92.6	92.6	92.6	92.7	92.8
≥ 900	87.5	90.0	90.4	91.4	92.0	92.0	92.3	92.7	92.7	92.9	93.1	93.1	93.1	93.1	93.2	93.3
≥ 800	87.6	90.2	90.6	91.7	92.3	92.3	92.7	93.0	93.0	93.5	93.7	94.0	94.1	94.1	94.2	94.3
≥ 700	87.7	90.4	90.9	92.0	92.7	92.7	93.0	93.5	93.5	94.2	94.4	94.6	94.7	94.7	94.8	94.9
≥ 600	88.3	91.3	92.0	93.2	94.0	94.0	94.3	94.8	94.8	95.5	95.7	95.9	96.0	96.0	96.2	96.3
≥ 500	88.3	91.6	92.4	93.6	94.5	94.5	94.9	95.5	95.5	96.1	96.3	96.5	96.9	97.0	97.2	97.3
≥ 400	88.5	91.9	92.7	93.9	94.7	94.7	95.1	95.7	95.7	96.3	96.5	96.8	97.1	97.2	97.4	97.5
≥ 300	88.5	91.9	92.8	94.2	95.5	95.5	95.9	96.5	96.7	97.4	97.7	98.0	98.3	98.4	98.6	98.7
≥ 200	88.6	92.0	92.9	94.3	95.6	95.7	96.3	97.2	97.3	98.3	98.6	98.8	99.4	99.5	99.7	99.8
≥ 100	88.6	92.0	93.0	94.4	95.7	95.8	96.4	97.3	97.4	98.5	98.8	99.0	99.6	99.7	99.9	100.0
= 0	88.6	92.0	93.0	94.4	95.7	95.8	96.4	97.3	97.4	98.5	98.8	99.0	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 927

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL (HOUR)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥ 5/16	≥¼	0
NO CEILING	56.6	57.2	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7
≥ 20000	64.0	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2
≥ 18000	64.5	65.2	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7
≥ 16000	64.6	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
≥ 14000	65.4	66.0	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000	67.7	68.4	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.9	68.8	68.8	68.8	68.9	68.9
≥ 10000	71.2	71.9	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.5
≥ 9000	71.7	72.4	72.6	72.6	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0
≥ 8000	74.3	75.2	75.4	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8
≥ 7000	76.0	76.8	77.0	77.1	77.2	77.2	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.5
≥ 6000	77.5	78.4	78.5	78.7	78.8	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1
≥ 5000	79.4	80.4	80.6	80.7	80.9	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2
≥ 4500	79.6	80.6	80.8	81.0	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 4000	81.4	82.5	82.7	82.9	83.0	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4
≥ 3500	82.2	83.5	83.8	84.0	84.1	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.5
≥ 3000	83.2	84.7	85.1	85.3	85.5	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9
≥ 2500	84.1	85.8	86.2	86.5	86.7	86.8	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.2
≥ 2000	85.0	87.1	87.5	88.1	88.3	88.3	88.5	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.9
≥ 1800	85.1	87.1	87.6	88.1	88.4	88.4	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 1500	85.5	87.8	88.3	88.9	89.2	89.2	89.6	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	90.0
≥ 1200	85.9	88.3	88.9	89.5	89.9	89.9	90.3	90.5	90.5	90.7	90.7	90.7	90.8	90.8	90.8	90.9
≥ 1000	86.3	88.8	89.4	90.1	90.5	90.5	91.0	91.3	91.3	91.5	91.6	91.7	91.7	91.7	91.8	91.8
≥ 900	86.6	89.2	89.8	90.6	90.9	91.0	91.5	91.8	91.9	92.1	92.3	92.3	92.4	92.4	92.5	92.5
≥ 800	86.9	89.7	90.3	91.1	91.5	91.6	92.0	92.5	92.6	92.9	93.0	93.2	93.3	93.4	93.4	93.6
≥ 700	86.9	89.9	90.6	91.5	91.9	92.0	92.5	93.0	93.0	93.4	93.6	93.7	93.9	93.9	94.0	94.3
≥ 600	87.2	90.4	91.2	92.1	92.6	92.7	93.2	93.8	93.8	94.3	94.5	94.6	94.8	94.8	95.0	95.3
≥ 500	87.4	90.8	91.6	92.5	93.1	93.2	93.8	94.3	94.4	95.0	95.2	95.3	95.6	95.7	95.9	96.3
≥ 400	87.6	91.1	92.0	92.9	93.5	93.6	94.2	94.8	94.9	95.6	95.8	96.0	96.3	96.4	96.6	97.2
≥ 300	87.7	91.3	92.3	93.4	94.1	94.2	94.8	95.5	95.6	96.4	96.6	96.8	97.2	97.4	97.7	98.2
≥ 200	87.7	91.3	92.3	93.4	94.1	94.3	95.0	95.8	95.9	96.8	97.2	97.4	98.0	98.2	98.7	99.3
≥ 100	87.7	91.3	92.3	93.4	94.2	94.4	95.1	95.9	96.1	97.0	97.3	97.6	98.3	98.5	99.2	99.9
0	87.7	91.3	92.3	93.4	94.2	94.4	95.1	95.9	96.1	97.0	97.3	97.6	98.3	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7431

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	60.7	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
≥ 20000	68.2	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8
≥ 18000	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	69.1	69.1
≥ 16000	68.5	68.9	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2
≥ 14000	69.2	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9
≥ 12000	71.2	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9
≥ 10000	75.2	75.6	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0
≥ 9000	75.7	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000	78.0	78.6	78.7	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0
≥ 7000	79.3	79.8	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3
≥ 6000	80.6	81.1	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
≥ 5000	82.6	83.3	83.4	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8
≥ 4500	83.3	84.0	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5
≥ 4000	84.9	85.7	85.9	86.0	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4
≥ 3500	85.8	86.7	86.9	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.5
≥ 3000	87.0	88.1	88.3	88.5	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0
≥ 2500	87.7	88.9	89.2	89.5	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0
≥ 2000	88.5	89.9	90.2	90.5	90.7	90.7	90.9	90.9	91.0	91.0	91.1	91.1	91.1	91.2	91.2
≥ 1800	88.6	90.0	90.4	90.7	90.9	90.9	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.4
≥ 1500	89.3	90.9	91.3	91.6	91.8	91.9	92.0	92.1	92.2	92.3	92.3	92.3	92.4	92.4	92.4
≥ 1200	89.8	91.5	92.0	92.3	92.6	92.7	92.9	93.0	93.0	93.1	93.2	93.2	93.3	93.3	93.3
≥ 1000	90.2	92.1	92.6	93.0	93.3	93.4	93.6	93.8	93.8	94.0	94.1	94.1	94.2	94.2	94.2
≥ 900	90.4	92.4	92.9	93.3	93.6	93.7	93.9	94.1	94.2	94.4	94.4	94.5	94.5	94.6	94.6
≥ 800	90.6	92.6	93.2	93.6	94.0	94.0	94.3	94.6	94.6	94.8	94.9	95.0	95.1	95.1	95.2
≥ 700	90.7	92.9	93.4	93.9	94.3	94.4	94.7	95.0	95.1	95.3	95.4	95.5	95.6	95.7	95.8
≥ 600	90.8	93.2	93.8	94.3	94.7	94.8	95.1	95.4	95.6	95.8	96.0	96.0	96.2	96.2	96.3
≥ 500	91.0	93.5	94.2	94.8	95.2	95.3	95.7	96.1	96.3	96.6	96.8	96.9	97.1	97.1	97.2
≥ 400	91.1	93.7	94.5	95.1	95.7	95.8	96.2	96.6	96.8	97.2	97.4	97.5	97.8	97.8	97.9
≥ 300	91.2	93.9	94.7	95.4	96.0	96.1	96.6	97.1	97.3	97.8	98.1	98.2	98.4	98.5	98.6
≥ 200	91.2	94.0	94.8	95.5	96.2	96.3	96.8	97.4	97.7	98.2	98.6	98.7	99.0	99.1	99.3
≥ 100	91.2	94.0	94.8	95.6	96.2	96.3	96.9	97.5	97.7	98.3	98.6	98.8	99.2	99.3	99.5
≥ 0	91.2	94.0	94.8	95.6	96.2	96.3	96.9	97.5	97.7	98.3	98.6	98.8	99.2	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 87626

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	25.3			29.8						18.8	26.1	5.2	928
	03-05	22.0			31.3						19.2	27.6	5.4	929
	06-08	11.4			31.3						24.9	32.4	6.4	930
	09-11	8.4			28.1						26.2	37.3	6.9	930
	12-14	8.4			28.8						27.1	35.7	6.9	930
	15-17	6.2			33.4						25.8	34.5	6.8	930
	18-20	12.9			32.7						22.7	31.7	6.2	928
	21-23	20.1			31.5						18.5	29.8	5.6	929
TOTALS		14.3			30.9						22.9	31.9	6.2	7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	23.5			27.8						15.9	32.9	5.5	843
	03-05	22.7			27.8						16.0	33.4	5.6	844
	06-08	8.3			31.4						25.9	34.4	6.7	845
	09-11	5.8			28.0						31.6	34.6	7.1	845
	12-14	4.7			31.6						30.9	32.8	7.0	845
	15-17	3.9			34.2						27.4	34.5	6.9	846
	18-20	11.8			33.7						23.5	31.0	6.2	846
	21-23	19.3			31.4						18.0	31.3	5.7	844
TOTALS		12.5			30.7						23.7	33.1	6.3	6758

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	23.9			28.0						14.5	33.7	5.5	930
	03-05	21.2			27.6						16.3	34.8	5.8	930
	06-08	8.8			30.1						25.8	35.2	6.7	929
	09-11	7.0			29.5						26.0	37.5	7.0	930
	12-14	3.7			30.4						31.3	34.6	7.2	930
	15-17	3.2			33.3						29.8	33.7	7.0	930
	18-20	8.1			34.8						21.9	35.2	6.5	930
	21-23	19.2			30.3						17.2	33.3	5.8	928
TOTALS		11.9			30.5						22.9	34.8	6.4	7437

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	22.9			27.6						14.1	35.4	5.6	900
	03-05	17.7			30.5						18.3	33.4	5.9	897
	06-08	10.1			28.8						23.5	37.5	6.7	898
	09-11	5.9			29.3						28.8	36.0	7.1	900
	12-14	3.0			29.7						31.4	35.9	7.3	900
	15-17	2.7			28.1						32.8	36.4	7.4	900
	18-20	4.6			32.3						25.8	37.4	7.0	899
	21-23	17.2			28.3						17.0	37.4	6.1	900
TOTALS		10.5			29.3						24.0	36.2	6.6	7194

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	19.5			30.1						19.8	30.6	5.7	929
	03-05	11.6			34.7						23.4	30.3	6.2	928
	06-08	8.3			31.8						28.9	31.0	6.7	928
	09-11	5.4			33.5						28.0	33.0	6.8	927
	12-14	2.9			30.8						34.7	31.6	7.2	929
	15-17	1.5			28.2						40.4	29.9	7.5	930
	18-20	3.3			33.2						31.0	32.5	7.0	930
	21-23	13.5			35.6						18.8	32.1	6.0	929
TOTALS		8.3			32.2						28.1	31.4	6.6	7430

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	27.7			33.8						17.9	20.6	4.7	899
	03-05	12.2			46.9						26.0	14.9	5.2	900
	06-08	11.6			47.2						25.8	15.4	5.3	900
	09-11	8.1			52.3						26.0	13.6	5.3	900
	12-14	5.2			44.8						36.2	13.8	6.0	899
	15-17	3.2			41.7						38.3	16.8	6.4	900
	18-20	5.4			40.8						33.9	19.9	6.3	900
	21-23	17.7			39.0						24.1	19.2	5.3	900
TOTALS		11.4			43.3						28.5	16.8	5.6	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	28.6			35.6						19.1	16.7	4.5	930
	03-05	15.6			44.1						24.9	15.4	5.1	930
	06-08	11.5			48.4						26.9	13.2	5.2	930
	09-11	9.0			56.5						26.2	8.3	4.9	930
	12-14	5.1			54.8						30.2	9.9	5.4	930
	15-17	3.0			48.1						39.0	9.9	5.9	929
	18-20	5.4			46.9						35.2	12.6	5.8	930
	21-23	20.0			38.5						26.8	14.7	5.0	930
TOTALS		12.3			46.6						28.5	12.6	5.2	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	32.9			32.9						20.5	13.8	4.2	928
	03-05	22.4			44.3						21.0	12.4	4.5	930
	06-08	13.3			46.1						25.8	14.7	5.2	930
	09-11	9.1			52.2						26.6	12.2	5.2	930
	12-14	4.4			51.1						34.5	10.0	5.6	930
	15-17	4.3			50.1						36.7	8.9	5.7	929
	18-20	7.4			50.2						30.0	12.4	5.4	929
	21-23	25.5			37.8						21.7	15.0	4.6	929
TOTALS		14.9			45.6						27.1	12.4	5.1	7435

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	46.3			29.4						10.6	13.7	3.2	898
	03-05	39.6			31.1						16.1	13.2	3.7	900
	06-08	22.9			39.2						21.3	16.6	4.8	900
	09-11	21.0			42.3						21.9	14.8	4.7	900
	12-14	12.9			50.4						22.4	14.2	5.0	900
	15-17	11.3			48.1						29.7	10.9	5.2	900
	18-20	22.0			44.3						20.9	12.8	4.5	900
	21-23	41.0			30.7						13.9	14.4	3.6	900
TOTALS		27.1			39.4						19.6	13.6	4.3	7198

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	36.2			27.5						16.5	19.8	4.3	930
	03-05	36.3			28.3						16.2	19.5	4.3	930
	06-08	13.5			38.2						27.5	20.8	5.7	930
	09-11	12.9			36.8						28.5	21.9	5.9	930
	12-14	12.2			35.4						29.8	22.7	6.0	930
	15-17	11.5			36.0						31.1	21.4	6.0	930
	18-20	18.4			38.3						22.5	20.9	5.3	930
	21-23	30.8			30.1						18.4	20.8	4.6	930
TOTALS		21.4			33.8						23.8	21.0	5.3	7440

USAFE [illegible] FORM AM 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	31.1			25.4						15.4	28.2	5.7	898
	03-05	30.2			27.2						17.6	25.0	4.9	897
	06-08	13.1			34.3						24.9	27.6	6.0	898
	09-11	9.8			32.8						26.6	30.9	6.5	900
	12-14	7.8			33.0						28.2	31.0	6.6	900
	15-17	7.3			30.8						30.0	31.9	6.8	900
	18-20	15.7			31.7						21.4	31.3	6.0	899
	21-23	23.3			28.9						18.0	29.8	5.5	900
TOTALS		17.3			30.5						22.8	29.5	5.9	7192

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	22.6			31.3						17.8	28.3	5.4	928
	03-05	23.5			31.4						18.8	26.4	5.3	928
	06-08	10.0			34.6						28.8	26.6	6.3	930
	09-11	4.6			30.5						35.1	29.8	7.0	930
	12-14	4.8			28.7						36.3	30.1	7.1	930
	15-17	5.8			30.8						33.6	29.8	6.9	929
	18-20	14.5			30.2						25.2	30.1	6.2	924
	21-23	20.1			27.1						22.0	30.8	5.9	924
TOTALS		13.2			30.6						27.2	29.0	6.3	7423

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	14.3			30.9						22.9	31.9	6.2	7434
FEB		12.5			30.7						23.7	33.1	6.3	6758
MAR		11.9			30.5						22.9	34.6	6.4	7437
APR		10.5			29.3						24.0	36.2	6.6	7194
MAY		8.3			32.2						28.1	31.4	6.6	7430
JUN		11.4			43.3						28.5	16.8	5.6	7198
JUL		12.3			46.6						28.5	12.6	5.2	7439
AUG		14.9			45.6						27.1	12.4	5.1	7435
SEP		27.1			39.4						19.6	13.8	4.3	7198
OCT		21.4			33.8						23.8	21.0	5.3	7440
NOV		17.3			30.5						22.8	29.5	5.9	7192
DEC		13.2			30.6						27.2	29.0	6.3	7423
TOTALS		14.6			35.3						24.9	25.2	5.8	87578

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

   (1) * indicates the extreme was selected from a month with one or more days missing.

   (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

" Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

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

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

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

   b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

   c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

726625 ELLSWORTH AFB SD 39-45, 48-82
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ 110							.1						.0
≥ 105						.2	.7	.2					.1
≥ 100						.8	3.5	3.0	.7				.7
≥ 95						2.6	14.9	12.9	2.9				2.8
≥ 90					.9	8.6	34.6	31.9	11.0	.5			7.3
≥ 85				.6	5.6	21.2	57.0	52.4	22.8	2.9			13.7
≥ 80			.3	3.3	13.5	36.8	76.2	70.9	37.7	9.8			20.9
≥ 75			1.3	7.9	26.0	55.5	90.3	86.8	53.1	17.5	.3		28.4
≥ 70		.3	3.4	17.0	40.1	72.8	96.7	93.5	66.3	30.4	3.6	.7	35.7
≥ 65	.7	1.4	6.8	27.9	57.6	87.1	98.7	97.6	77.9	45.4	9.4	1.7	43.0
≥ 60	2.6	5.3	13.9	39.6	74.3	93.8	99.5	99.4	86.8	60.5	19.4	5.8	50.5
≥ 55	6.9	11.2	22.0	54.5	85.2	97.7	99.9	100.0	92.9	72.8	30.0	12.0	57.5
≥ 50	14.2	20.1	33.0	67.8	92.8	99.3	100.0		96.5	80.8	43.7	21.4	64.5
≥ 45	24.7	31.1	45.2	79.1	97.0	99.8			98.6	89.9	55.9	33.4	71.6
≥ 40	36.5	43.8	58.2	88.0	98.5	99.9			99.8	95.4	68.6	47.2	78.3
≥ 35	48.1	55.2	69.9	94.1	99.8	100.0			100.0	97.5	78.2	60.2	83.8
≥ 30	58.1	67.2	79.8	99.0	100.0					99.5	88.4	73.2	89.0
≥ 25	66.6	75.9	87.6	99.5						99.8	93.6	81.0	92.2
≥ 20	73.1	83.8	94.2	99.9						100.0	96.0	86.9	94.6
≥ 15	79.7	90.4	97.2	100.0							98.1	92.1	96.5
≥ 10	86.0	94.6	98.9								99.3	95.8	97.9
≥ 5	91.3	97.6	99.7								99.8	97.6	98.8
≥ 0	95.1	99.0	99.8								100.0	99.1	99.4
≥ -5	98.3	99.8	100.0									99.4	99.8
≥ -10	99.6	99.9										99.9	100.0
≥ -15	100.0	100.0										100.0	100.0
MEAN	31.1	35.9	42.4	55.9	66.6	75.7	85.6	84.4	74.2	62.1	46.2	37.4	58.1
S D	17.398	15.409	14.853	13.181	11.446	10.273	8.502	9.028	12.489	13.085	14.031	14.875	22.711
TOTAL OBS.	1229	1157	1271	1259	1301	1237	1269	1271	1230	1271	1228	1271	14988

USAFETAC FORM JUL 64 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 39-45, 48-82 (YEARS)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80							.1						.0
75						.1	.5	.3	.1				.1
70						.9	7.6	4.4	.4				1.1
65					.2	4.6	27.8	20.7	3.2				4.8
60				.1	2.3	21.3	64.6	53.2	11.1	.3			12.9
55				.5	9.5	48.3	89.5	79.9	26.7	2.8	.1		21.6
50			.1	2.8	27.5	76.7	98.3	93.9	49.9	9.4	.2	.1	30.1
45		.2	.8	11.0	51.3	92.9	99.9	99.1	71.4	25.3	1.0	.4	38.1
40	.5	.9	3.5	27.2	77.3	98.2	100.0	100.0	87.7	47.8	6.1	1.9	46.3
35	3.0	5.3	11.3	48.8	91.3	99.7			95.9	68.3	19.3	5.4	54.5
33	5.6	7.8	17.7	58.9	94.1	99.8			97.5	76.5	26.8	9.4	58.3
30	10.7	13.9	29.8	73.3	97.6	100.0			99.2	85.8	39.3	16.8	64.3
25	21.1	28.0	49.2	89.3	99.2				99.9	95.3	60.0	32.6	73.3
20	33.9	43.2	66.4	95.8	100.0					98.6	76.4	48.9	80.6
15	45.6	57.0	77.3	98.7					100.0	99.8	86.1	63.3	85.9
10	56.1	69.7	85.5	99.6						100.0	92.9	75.1	90.1
5	65.9	80.4	92.1	100.0							95.8	84.7	93.4
0	74.3	88.0	95.4								98.4	92.0	95.8
-5	83.1	94.7	98.6								99.4	96.0	97.7
-10	91.5	97.9	99.4								99.8	98.1	98.9
-15	96.4	99.2	99.9								100.0	99.3	99.6
-20	99.2	99.8	100.0									99.8	99.9
-25	100.0	100.0										100.0	100.0
MEAN	11.0	15.8	22.4	34.3	44.8	54.1	61.3	59.5	49.3	38.7	25.7	17.6	36.2
S D	14.789	12.572	11.263	8.246	7.563	6.553	5.487	6.019	8.251	8.362	10.231	12.214	19.453
TOTAL OBS.	1229	1157	1271	1259	1301	1237	1263	1271	1230	1271	1228	1271	14988

USAFETAC FORM JUL 66 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

726625 ELLSWORTH AFB SD 39-45, 48-82
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90							.3	.1					.0
85						.6	3.3	1.7	.3				.5
80					.2	2.4	18.6	14.2	2.4				3.2
75					.8	11.0	45.8	38.8	9.2	.2			8.9
70				.4	5.7	28.9	74.0	65.0	23.3	2.0			16.7
65			.1	2.3	17.2	53.4	92.4	85.6	41.7	7.9	.1		25.2
60			.6	7.9	34.1	76.2	98.3	95.7	61.5	18.7	.4		33.0
55	.1	.3	2.8	18.3	55.6	91.3	99.7	99.4	77.5	35.4	3.3	.6	40.7
50	.9	2.2	7.0	33.5	77.6	97.7	100.0	100.0	89.4	56.4	12.3	2.9	48.7
45	4.0	6.8	16.4	53.2	90.9	99.4			95.2	73.4	25.1	8.6	56.5
40	11.6	16.0	31.2	71.8	96.7	99.8			98.5	89.7	41.5	18.5	64.7
35	21.8	28.7	47.0	85.1	98.5	100.0			99.9	93.9	57.6	32.3	72.5
30	34.7	43.6	62.8	94.5	99.8				100.0	98.0	72.1	49.0	79.9
25	48.3	56.1	74.9	98.3	100.0					99.4	86.2	62.7	85.7
20	58.3	70.2	85.1	99.4						99.9	92.4	75.4	90.2
15	65.9	79.3	90.6	99.8						100.0	95.6	83.2	93.0
10	74.9	87.6	95.8	100.0							97.8	91.2	95.7
5	82.5	94.1	98.2								99.1	95.0	97.5
0	88.0	96.5	99.3								99.8	96.9	98.4
-5	94.6	99.0	99.8								99.9	98.7	99.4
-10	98.1	99.6	100.0								100.0	99.5	99.8
-15	99.8	99.8										100.0	100.0
-20	100.0	100.0											100.0
MEAN	21.2	26.0	32.6	45.3	55.9	65.1	73.6	72.1	61.9	50.6	36.1	27.7	47.3
S.D	15.571	13.354	12.399	9.880	8.734	7.834	6.368	6.873	9.636	10.038	11.444	13.007	20.717
TOTAL OBS.	1229	1157	1271	1259	1301	1237	1263	1271	1230	1271	1228	1271	14988

USAFETAC FORM JUL 64 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726625 STATION — ELLSWORTH AFB SD STATION NAME — 39-45, 48-82 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39		58	76	87	97*	94	107	98	96	76*	70	74	
40	55	62	67	74*	93	98	104	98	96	81	64	62	104
41	63	62	66*	71	89	92	103	106	94	83	65	71	106
42	68	56	64	87	83	85	94	99	96	83	77	58	99
43	* 57	66	80	84	92*	71*	102	100	94	87	70	64	* 102
44	59	52	55	72	87	92	94	103	90	79	68	60	103
45	51	54	72	79	79	91							
48				84	94	88	100	102	102	83	62	66	
49	54	52	56	83	86	97	104	104	93	88	72	59	104
50	53	62	66	74	85	98	95	95	92	83	65	58	98
51	53	71	65	83	89	84	102	94	82	84	65	66	102
52	56	63	57	86	89	101	108	97	96	80	76	66	108
53	67	54	64	79	82	92	93	100	89	93	75	59	100
54	63	72	71	79	89	99	106	100	91	86	73	60	106
55	63	53	65	84	89	97	99	99	97	88	73	65	99
56	61	64	78	78	83	99	97	92	90	88	67	62	99
57	44	63	67	73	84	86	97	97	88	87	64	71	97
58	63	68	66	83	87	90	90	100	94	85	71	65	100
59	58	54	66	84	85	96	97	100	102	75	72	63	102
60	61	63	76	84	88	95	102	101	103	85	74	64	103
61	59	69	75	81	89	105	100	103	92	83	68	60	105
62	60	71	70	86	83	90	89	98	93	82	69	62	98
63	60	64	80	81	88	94	99	98	96	94	70	64	99
64	59	57	72	77	89	92	100	99	93	79	73	62	100
65	60	65	58	79	87	81	98	99	90	87	74	73	99
66	61	47	75	72	88	103	109	95	94	84	69	64	109
67	62	64	82	74	84	84	96	98	91	85	70	58	98
68	66	58	73	79	77	93	95	96	91	84	64	60	96
69	55	54	71	81	97	95	99	105	94	83	73	70	105
70	60	66	66	80	85	98	96	100	97	85	64	57	100
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

(USAF ETAC FORM AM 64 0-88-3 (OL-A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 39-45, 48-82 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
71	51	50	70	82	79	90	96	100	102	79	70	59	102
72	61	67	81	73	85	89	96	99	94	81	60	64	99
73	65*	60	63	74	86	91	111	102	88	82	68	70	111
74	68	61	73	82	82	106	100	100	92	87	70	60	106
75	50	48	61	79	87	89	104	107	87	92	73	66	107
76	56	64	64	78	88	90	98	101	101	85*	71	58	101
77	43	63	68	82	84	96	103	94	91	81	69	57	103
78	44	43	79	74	88	92	95	102	103	82	73	48	103
79	41	43	65	80	89	100	93	95	99	83	67	70	100
80	58	68	63	86	88	102	109	100	94	90	75	67	109
81	69	60	63	83	81	93	106	101	95	85	67	63	106
82	62	68	65	76	81	80	97	91	96	75	65	58	97
MEAN	57.9	60.0	68.6	79.9	86.4	93.3	99.5	99.2	94.1	84.0	69.3	63.0	101.8
S.D.	6.960	7.617	6.992	4.420	4.300	6.207	5.335	3.482	4.636	4.295	4.176	5.196	3.650
TOTAL OBS.	1229	1157	1271	1259	1301	1237	1263	1271	1230	1271	1228	1271	14988

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM AM 66 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 39-45, 48-82 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39		-23	6	14	34*	40	55	44	32	27*	19	3	
40	-17	0	5	7*	34	43	56	47	37	30	-3	-7	-17
41	-5	1	4*	24	38	43	50	50	28	18	1	-9	-9
42	-20	-11	16	26	30	37	47	47	19	15	10	2	-20
43	* -23	0	-11	19	26*	37*	50	50	35	24	12	-2	* -23
44	-2	-16	-1	26	26	38	49	48	30	29	3	-6	-16
45	-12	-9	-9	13	23	40							
48				21	32	44	53	51	42	19	15	2	
49	-25	-11	-3	20	35	45	54	48	32	22	15	-2	-25
50	-24	-4	-14	13	21	42	45	48	32	28	0	-7	-24
51	-19	-11	-10	16	35	31	48	49	27	14	2	-15	-19
52	-16	1	-2	21	32	49	48	50	41	21	2	11	-16
53	-8	-2	5	19	23	44	53	51	36	27	17	4	-8
54	-15	11	-1	13	20	34	54	54	35	21	15	8	-15
55	-2	-6	-6	25	39	43	56	50	33	28	-7	-8	-8
56	-6	-10	-7	15	29	49	54	48	39	27	12	-8	-10
57	-20	-8	0	12	38	49	55	49	31	20	18	8	-20
58	15	-4	13	24	39	37	50	48	32	29	5	-8	-8
59	-15	-4	17	17	32	43	42	52	29	21	-14	9	-15
60	-6	-8	-11	25	34	45	55	48	36	18	7	-3	-11
61	-8	7	21	21	32	48	55	55	27	24	13	-8	-8
62	-14	-18	-18	21	35	41	50	44	32	21	19	-4	-18
63	-23	-10	12	25	26	50	52	50	38	22	9	-14	-23
64	-10	-8	0	16	35	38	54	41	33	26	-3	-22	-22
65	-4	-13	-10	19	33	45	53	46	28	31	14	-2	-13
66	-22	-12	3	6	29	41	56	44	37	25	2	1	-22
67	-2	-5	-1	19	24	42	47	49	28	22	7	-18	-18
68	-19	-3	5	10	27	43	47	44	36	20	12	-21	-21
69	-15	3	-1	24	35	33	51	54	42	15	12	5	-15
70	-14	8	6	19	33	43	52	53	33	18	4	-11	-14
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AWS 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SD 39-45, 48-82
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
71	-9	-20	8	25	34	48	45	50	33	17	11	-2	-20
72	-21	-7	2	20	33	38	45	50	25	13	16	-19	-21
73	-13*	-3	22	16	32	44	51	56	34	26	3	-13	-13
74	-17	0	2	21	35	40	53	48	30	28	6	7	-17
75	-7	-16	3	5	36	43	52	48	33	23	-4	-7	-16
76	-16	-7	-6	27	23	40	53	47	33	17*	-10	-4	-16
77	-14	10	15	21	38	51	51	47	42	27	-10	-17	-17
78	-11	-10	-3	29	34	36	52	40	38	27	2	-12	-12
79	-21	-18	7	15	23	39	51	47	33	27	8	-14	-21
80	-16	-5	-5	24	28	47	53	49	37	22	18	0	-16
81	11	-11	18	29	35	44	52	47	40	15	15	4	-11
82	-17	-13	-1	11	32	38	51	48	34	24	8	5	-17
MEAN	-12.3	-6.8	1.7	18.8	31.2	42.2	51.3	48.5	33.4	22.6	7.0	-4.8	-16.4
S.D.	8.566	8.009	9.657	6.131	5.244	4.740	3.447	3.362	4.949	4.872	8.139	8.736	4.873
TOTAL OBS.	1229	1157	1271	1259	1301	1237	1263	1271	1233	1271	1228	1271	14988

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM 0-80-8 (OL-A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

~~726625~~ STATION ~~ELLSWORTH AFB SD~~ STATION NAME ~~73-82~~ YEARS ~~JAN~~ MONTH

PAGE 1 ~~0000-0200~~ HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63									.2									2	2		
~~62/ 61~~								.1										1	1		
56/ 55								.2										2	2		
~~54/ 53~~						.1												1	1		
52/ 51						.2	.2											4	4		
~~50/ 49~~						.3	.2	.1										6	6	1	
48/ 47						.3	.2											5	5	2	
~~46/ 45~~				.2	.1	.1	.1											5	5		
44/ 43			.1	.3	.2	.8												13	13	2	
~~42/ 41~~				1.0		.3												12	12	3	
40/ 39			.8	1.3	.6	.1												26	26	12	
~~38/ 37~~		.1	.9	1.1	.4	.2												25	25	8	
36/ 35		.2	1.2	2.9	.1													41	41	25	2
~~34/ 33~~		.8	1.5	2.0	.2													42	42	33	6
32/ 31		.2	3.0	1.8	.2													49	49	40	10
~~30/ 29~~	.3	.9	2.8	1.5														51	51	52	15
28/ 27	.1	2.3	2.2	.4														46	46	63	26
~~26/ 25~~		1.5	2.5	.2														39	39	60	31
24/ 23	.1	1.4	1.3	.2														28	28	48	31
~~22/ 21~~		1.3	1.6	.1														28	28	41	51
20/ 19	.3	1.5	2.5	.2														42	42	24	68
~~18/ 17~~		1.6	1.4															28	28	38	60
16/ 15	.6	2.0	.9															33	33	41	46
~~14/ 13~~		3.0	.4															32	32	32	37
12/ 11		3.1	.6															35	35	33	23
~~10/ 9~~		3.7	.3															37	37	40	36
8/ 7	.1	2.2																21	21	46	43
~~6/ 5~~	.1	2.4																23	23	18	33
4/ 3		4.7																44	44	38	31
~~2/ 1~~	.2	4.5																44	44	48	49
0/ -1	1.3	2.4																34	34	30	22
~~-2/ -3~~	.6	2.3																27	27	40	40
-4/ -5	.6	1.6																21	21	20	34
~~-6/ -7~~	1.8	1.3																28	28	27	36

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PAGE 2 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.. W.B.	Dry Bulb	Wet Bulb	Dew Point
-8/ -9	2.4	.4																26	26	33	33
-10/-11	1.6																	15	15	18	23
-12/-13	.9																	8	8	8	23
-14/-15	.6																	6	6	6	20
-16/-17																					33
-18/-19																					21
-20/-21																					19
-22/-23																					14
-24/-25																					10
-26/-27																					3
-28/-29																					1
TOTAL	11.8	45.2	23.9	13.3	1.9	2.5	.8	.4	.2										930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3638029	57127	61.4	11.770	930							
Dry Bulb	524990	16338	17.6	16.005	930	16.5	74.5					93
Wet Bulb	388900	13786	14.8	14.094	930	18.2	84.4					93
Dew Point	241499	5647	6.1	14.935	930	33.2	92.2					93

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PAGE 1 0300-0500 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63									.1									1	1		
62/ 61									.1									1	1		
60/ 59								.1										1	1		
58/ 57						.1		.2										3	3		
56/ 55						.1	.2	.1										4	4		
54/ 53							.4											4	4		
52/ 51					.1	.1	.1											3	3		
50/ 49						.1	.1											2	2	2	
48/ 47				.2	.2	.4	.4											10	10	2	
46/ 45				.2	.3	.4												9	9	1	
44/ 43			.2	.2	.9	.2												14	14	6	
42/ 41			.3	1.4	.9	.1												25	25	6	
40/ 39			.6	1.2	.3													20	20	9	
38/ 37		.3	1.1	2.2	.2													35	35	21	1
36/ 35		.8	1.3	2.2		.1												40	40	40	3
34/ 33		1.1	2.5	1.9	.2													53	53	35	7
32/ 31	.3	1.3	3.9	1.2	.1													63	63	49	11
30/ 29		1.1	2.2	.8														37	37	65	34
28/ 27		2.3	2.5	.8														51	51	62	28
26/ 25		.6	1.3															18	18	52	25
24/ 23		1.7	2.4	.2														40	40	40	42
22/ 21		1.4	1.7	.1														30	30	24	80
20/ 19	.1	1.4	.9															22	22	39	63
18/ 17	.4	1.6	.8															26	26	34	53
16/ 15	.1	2.9	.6															34	34	26	32
14/ 13	.2	2.9	.9															37	37	31	25
12/ 11		2.7																25	25	38	31
10/ 9		3.4	.1															33	33	39	47
8/ 7	.1	2.0																20	20	28	23
6/ 5	.3	4.6	.1															47	47	35	27
4/ 3	.4	6.3																63	63	51	46
2/ 1	1.7	1.6																31	31	55	35
0/ -1	.5	2.5																28	28	32	31
-2/ -3	.8	1.5																21	21	23	37
-4/ -5																					

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-25-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-6/ -7	.5	1.0																14	14	12	36
-8/ -9	2.2	.3																23	23	31	27
-10/-11	2.4	.2																24	24	24	36
-12/-13	.8																	7	7	7	23
-14/-15	1.1																	10	10	10	26
-16/-17	.1																	1	1	1	21
-18/-19																					28
-20/-21																					17
-22/-23																					12
-24/-25																					13
-26/-27																					7
-28/-29																					2
-32/-33																					1
TOTAL	12.0	45.6	23.2	12.3	3.2	1.7	1.3	.4	.2										930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3595975	56659	60.9	12.455	930							
Dry Bulb	519150	16022	17.2	16.177	930	15.9	75.8					93
Wet Bulb	381603	13453	14.5	18.188	930	19.5	88.3					93
Dew Point	238518	8112	5.5	15.050	930	35.2	92.6					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.-W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
60/ 59								.2										2	2		
58/ 57								.1										1	1		
52/ 51						.3	.1											4	4		
50/ 49							.4											4	4		
48/ 47						.3	.4											7	7		
46/ 45					.4	.6	.1											11	11	3	
44/ 43					.3	.4	.1											8	8		
42/ 41				.1	1.5	.8												22	22	3	
40/ 39			.2	.6	1.1													18	18	2	
38/ 37		.4	.4	1.4	1.0	.1												31	31	11	
36/ 35		.1	1.1	1.7	.4													31	31	27	
34/ 33		.2	1.6	1.6	.2													34	34	35	1
32/ 31		1.2	3.0	1.1	.1													50	50	36	3
30/ 29	.1	.3	3.2	1.2														45	45	54	14
28/ 27	.2	2.5	3.9	1.0														70	70	57	16
26/ 25		1.2	3.2	1.0														50	50	66	36
24/ 23		1.0	.9															17	17	64	25
22/ 21		1.2	1.1	.1														22	22	44	48
20/ 19	.1	2.7	1.7															42	42	20	82
18/ 17	.1	1.8	.6															24	24	43	65
16/ 15	.3	1.3	1.2															26	26	30	58
14/ 13		1.8	.3															20	20	18	39
12/ 11	.1	2.8	.9															35	35	31	28
10/ 9		3.0	.5															33	33	23	40
8/ 7		3.8	.1															36	36	46	41
6/ 5		2.0	.2															21	21	41	12
4/ 3	.2	3.8																37	37	33	13
2/ 1	.2	4.5																44	44	33	44
0/ -1	1.3	2.9																39	39	42	38
-2/ -3	1.0	3.1																38	38	55	35
-4/ -5	1.0	1.3																21	21	16	29
-6/ -7	1.4	1.2																24	24	29	32
-8/ -9	2.2	.1																21	21	25	33
-10/-11	1.7																	16	16	17	38

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-12/-13	1.0																	9	9	9	19
-14/-15	1.0																	9	9	9	36
-16/-17	.5																	5	5	5	29
-18/-19	.2																	2	2	2	24
-20/-21	.1																	1	1	1	14
-22/-23																					12
-24/-25																					14
-26/-27																					5
-28/-29																					4
-32/-33																					2
-34/-35																					1
TOTAL	12.7	44.2	24.2	9.8	5.1	2.6	1.2	.3											930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3535909	56239	60.5	12.056	930							
Dry Bulb	518895	15867	17.1	16.365	930	18.5	75.7					93
Wet Bulb	380315	13269	14.3	14.339	930	21.0	88.9					93
Dew Point	236276	4832	5.2	15.077	930	36.5	92.9					93

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65										.1								1	1		
64/ 63										.1								1	1		
62/ 61									.2	.1								3	3		
60/ 59								.2										2	2		
58/ 57							.1	.4	.1									6	6		
56/ 55							.5	.4	.1									10	10		
54/ 53						.1	.2	.4										7	7		
52/ 51						.3	.3	.3										9	9		
50/ 49					.1	.4	.8	.3										15	15	1	
48/ 47					.3	1.0	.9											20	20	2	
46/ 45					.6	1.4	.5											24	24	6	
44/ 43			.2	.2	1.4	1.0	.1											27	27	11	
42/ 41			.2	.5	1.1	.8												24	24	13	
40/ 39		.1	.1	1.4	1.1	.3	.1											29	29	22	
38/ 37		.1	.8	1.8	1.6													40	40	32	
36/ 35		.2	1.5	1.9	.4	.1												39	39	45	3
34/ 33		.3	1.5	.9	.5	.1												31	31	47	2
32/ 31		1.0	2.4	1.8	.1													49	49	51	10
30/ 29		1.5	1.7	1.1														40	40	56	21
28/ 27		1.6	1.9	.6														39	39	54	37
26/ 25		1.0	1.7	.2	.1													28	28	46	49
24/ 23		.3	.6	.1														10	10	39	51
22/ 21		.8	1.6	.2														24	24	23	65
20/ 19		1.7	2.2	.4														40	40	19	70
18/ 17	.2	1.2	.6	.1														20	21	35	40
16/ 15	.2	1.8	1.0															28	29	38	50
14/ 13		3.5	.8															39	39	28	36
12/ 11		2.4	.6															28	29	32	39
10/ 9	.2	2.6	.3															29	29	36	18
8/ 7		4.0	.3															40	40	30	33
6/ 5		1.3	.1															13	13	38	23
4/ 3		4.1																38	38	28	30
2/ 1		5.5																51	51	42	44
0/ -1	1.6	2.5																38	38	50	19

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 'OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/ -3	.5	2.9																32	32	43	35
-4/ -5	.3	1.2																14	14	16	35
-6/ -7	.5	.8																12	12	11	27
-8/ -9	1.2	.3																14	14	18	43
-10/-11	.6																	6	6	8	36
-12/-13	.5																	5	5	5	14
-14/-15	.1																	1	1	1	30
-16/-17																					26
-18/-19	.1																	1	1	1	14
-20/-21																					15
-22/-23																					5
-24/-25																					4
-26/-27																					2
-32/-33																					1
TOTAL	6.3	42.6	20.3	11.4	7.4	5.5	3.6	2.2	.4	.3								927	930	927	927

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3164770	52676	56.8	13.609	927							
Dry Bulb	728007	20261	21.8	17.568	930	12.3	68.2					93
Wet Bulb	500377	16653	18.0	14.781	927	15.3	75.0					93
Dew Point	263677	7373	8.0	18.880	927	30.7	92.5					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67										.1								1	1		
66/ 65								.1		.2	.2							5	5		
64/ 63									.3	.2	.1							6	6		
62/ 61								.1	.2	.2								5	5		
60/ 59							.1	.6	.2	.2								11	11		
58/ 57							.2	.4	.2									8	8		
56/ 55							.2	1.0	.1	.1								13	13		
54/ 53						.1	.8	.2	.6									16	16		
52/ 51					.1	.6	.8	.6										20	20	1	
50/ 49					.5	.5	.8	.1										18	18	2	
48/ 47				.1	.4	1.7	1.2											32	32	10	
46/ 45			.2		1.4	1.7	.3											34	34	12	
44/ 43				.2	.8	.4	.4											17	17	14	
42/ 41			.2	.2	1.0	.8	.4											24	24	37	
40/ 39		.2	.4	.6	1.9	.3												33	33	27	1
38/ 37		.2	1.2	2.5	.4	.6												46	46	50	2
36/ 35		.2	.4	2.0	.9	.1												34	34	43	2
34/ 33		.6	1.1	1.8	.2													35	35	42	7
32/ 31		1.6	2.2	1.2	.1													47	47	62	27
30/ 29		1.0	1.2	1.2	.1													32	32	50	35
28/ 27		.3	2.0	.8														29	29	59	43
26/ 25		1.4	1.2	.8	.2													33	33	24	58
24/ 23		.1	1.6	.3														19	19	44	29
22/ 21		1.0	1.2	.2														22	22	24	59
20/ 19	.1	1.7	2.6	.3														44	44	32	79
18/ 17	.4	1.1	1.6															29	29	36	48
16/ 15		1.5	.9															22	22	32	48
14/ 13		3.0	.4															32	32	34	35
12/ 11		1.3	1.0															21	21	28	34
10/ 9		3.9	1.3															48	48	28	29
8/ 7		3.8	.1															36	36	45	37
6/ 5		1.5																14	14	38	34
4/ 3		3.9																36	36	29	23
2/ 1		5.1																47	47	36	33

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
0/ -1	.6	1.5																20	20	37	27
-2/ -3		1.8																17	17	22	41
-4/ -5	.3	1.0																12	12	14	43
-6/ -7	.4	.3																7	7	10	19
-8/ -9	.5																	5	5	8	37
-10/-11																					27
-12/-13																					15
-14/-15																					21
-16/-17																					19
-18/-19																					8
-20/-21																					9
-22/-23																					1
TOTAL	2.5	38.0	20.8	12.3	8.1	7.0	5.2	3.2	1.7	1.1	.3							930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2902872	80128	53.9	14.706	930							
Dry Bulb	919336	24100	25.9	17.818	930	6.1	57.2	.1				93
Wet Bulb	607904	19638	21.1	14.422	930	9.1	69.2					93
Dew Point	285695	9583	10.3	18.184	930	26.7	91.8					93

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65								.1		.1								2	2		
64/ 63									.1		.1							2	2		
62/ 61									.5									5	5		
60/ 59							.1	.2	.1									4	4		
58/ 57								.2	.1	.1								4	4		
56/ 55						.2	.2	.4	.1									9	9		
54/ 53						.4	.8	.1	.1									13	13		
52/ 51						.4	1.0	.2										15	15	1	
50/ 49					.4	.4	.4	.3										15	15		
48/ 47					.9	.8	.6	.1										22	22	6	
46/ 45				.1	1.2	1.1	.1											23	23	6	
44/ 43			.2	.6	1.1	.6	.1											25	25	15	
42/ 41			.1	1.4	.4	1.0												27	27	18	
40/ 39			.3	.9	1.8	.5												33	33	30	1
38/ 37		.3	.4	1.9	1.3	.5												42	42	31	
36/ 35		.1	.9	1.8	.6	.1												33	34	48	3
34/ 33		.8	2.0	2.5	.5													54	54	36	7
32/ 31		1.2	2.7	1.5														50	51	64	20
30/ 29		.5	1.7	1.3	.2													35	35	61	34
28/ 27		1.1	1.1	.8														27	27	55	40
26/ 25		1.0	1.5	.4														27	27	41	66
24/ 23		.4	1.2	.1														16	16	33	20
22/ 21		.8	2.0	.2														28	28	31	61
20/ 19	.2	1.6	1.8	.1														35	35	27	86
18/ 17	.3	1.9	1.6															36	36	35	35
16/ 15		2.2	.9															28	28	35	45
14/ 13	.1	2.7	.9															34	34	33	35
12/ 11		3.1	.2															31	32	34	30
10/ 9	.2	3.9	.2															40	40	42	40
8/ 7		3.9	.1															37	37	37	36
6/ 5		2.8																26	26	40	35
4/ 3		3.3																31	31	35	25
2/ 1		4.9																45	45	41	38
0/ -1	.6	1.6																21	21	31	43

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6-9-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
-2/ -3		2.4																	22	22	25	28
-4/ -5	.2	1.4																	15	15	10	38
-6/ -7	.1	.3																	4	4	12	25
-8/ -9	.6																		6	6	9	22
-10/-11	.4																		4	4	4	37
-12/-13	.1																		1	1	1	9
-14/-15																						26
-16/-17																						14
-18/-19																						20
-20/-21																						6
-22/-23																						1
-24/-25																						1
TOTAL	3.0	42.2	20.0	13.7	8.5	6.1	3.3	1.7	1.1	.2	.1								927	930	927	927

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3116174	52334	56.5	13.171	927							
Dry Bulb	801419	22289	24.0	16.960	930	7.3	60.1					93
Wet Bulb	588210	18374	19.8	18.097	927	9.2	73.8					93
Dew Point	275917	8135	9.9	18.168	927	27.1	91.9					93

669-052

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61								.3										3	3		
60/ 59									.2									2	2		
56/ 55							.2	.3										5	5		
54/ 53							.2											2	2		
52/ 51						.3	.5											8	8		
50/ 49					.1		.4											5	5		
48/ 47					.3	.1												4	4	3	
46/ 45					.2	.2	.4											8	8		
44/ 43				.9	1.6	.2												25	25	7	
42/ 41			.1	.6	.4	.3												14	14	7	
40/ 39			.4	1.0	.6													19	19	8	
38/ 37		.1	1.3	2.0	.9	.1												41	41	20	
36/ 35		.1	1.1	2.7		.1												37	37	30	
34/ 33		.2	3.1	2.3	.6													58	58	29	4
32/ 31		.3	3.4	2.0														54	55	51	7
30/ 29		1.9	2.7	1.2														54	55	66	20
28/ 27		1.7	2.3	.4	.1													42	42	66	31
26/ 25		1.6	1.4	.8														35	35	68	57
24/ 23		.5	1.4															18	18	42	43
22/ 21		.5	.8															12	12	28	56
20/ 19		1.8	2.3															38	38	20	67
18/ 17	.3	2.7	1.2	.3														42	42	31	56
16/ 15		2.2	1.1															30	30	48	40
14/ 13		2.6	.4															28	28	27	28
12/ 11	.1	3.6	.3															37	37	35	36
10/ 9	.3	3.4	.2															37	37	42	31
8/ 7		3.4	.1															33	33	40	39
6/ 5		2.2																20	20	27	39
4/ 3	.2	4.1																40	40	43	31
2/ 1		5.7																53	53	42	35
0/ -1	1.8	1.9																35	35	48	29
-2/ -3	.2	2.6																26	26	27	33
-4/ -5	.5	2.2																25	25	20	47
-6/ -7	.6	1.0																15	15	21	31

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-8/ -9	.9																	8	8	17	32
-10/-11	1.1																	10	10	10	25
-12/-13	.5																	5	5	5	15
-14/-15																					29
-16/-17																					18
-18/-19																					25
-20/-21																					16
-22/-23																					6
-24/-25																					2
TOTAL	6.7	46.4	23.6	14.2	5.0	1.4	1.8	.6	.2										930		928
																		928		928	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3551747	56359	60.7	11.796	928							
Dry Bulb	592945	18303	19.7	5.828	930	12.8	69.9					93
Wet Bulb	431241	15817	16.6	13.748	928	14.8	82.6					93
Dew Point	248725	7197	7.8	18.426	928	30.9	92.6					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63									.1									1	1		
62/ 61								.2										2	2		
58/ 57								.1										1	1		
56/ 55								.1										1	1		
54/ 53							.4											4	4		
52/ 51						.2	.2											4	4		
50/ 49						.2	.2											4	4		
48/ 47						.4	.1											5	5	3	
46/ 45					.4	.2												6	6		
44/ 43				.3	.2	.4												9	9	2	
42/ 41			.2	1.0	.9	.2												21	21	6	
40/ 39			.5	1.5	.6													25	25	7	
38/ 37			.8	1.1	1.3													29	29	14	
36/ 35		.3	.5	2.0	.4													31	31	26	
34/ 33		.3	2.6	2.3	.3													51	51	32	4
32/ 31		.2	3.8	2.4														59	59	31	7
30/ 29	.1	1.8	2.8	1.1	.1													55	55	63	17
28/ 27		1.7	1.9	.4	.1													39	39	78	25
26/ 25	.1	1.2	2.3	.2														35	35	59	34
24/ 23	.1	1.3	1.8	.1														31	31	40	30
22/ 21		.9	1.3															20	20	46	72
20/ 19		2.6	2.6	.3														51	51	19	72
18/ 17	.3	1.5	.8	.1														25	25	49	59
16/ 15	.2	1.8	.9															27	27	32	35
14/ 13		2.8	.6															32	32	25	38
12/ 11		3.5	.6															39	39	35	33
10/ 9	.6	2.6																30	30	46	35
8/ 7		4.1	.1															39	39	35	37
6/ 5		2.0																19	19	33	41
4/ 3		4.3																40	40	36	38
2/ 1	.3	5.1																50	50	42	32
0/ -1	1.1	1.6																25	25	38	30
-2/ -3	.6	2.6																30	30	31	23
-4/ -5	.5	2.2																25	25	23	18

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-6/ -7	1.4	1.8																30	30	31	41
-8/ -9	2.4																	22	22	35	35
-10/-11	.8																	7	7	7	24
-12/-13	.4																	4	4	4	18
-14/-15	.2																	2	2	2	35
-16/-17																					24
-18/-19																					18
-20/-21																					24
-22/-23																					6
-24/-25																					1
-26/-27																					1
-28/-29																					1
TOTAL	9.2	46.2	24.1	12.8	4.4	1.7	1.0	.4	.1									930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3628781	57093	61.4	11.545	930							
Dry Bulb	541471	17019	18.3	5.735	930	18.5	73.6					93
Wet Bulb	399179	14385	15.5	3.791	930	17.1	88.0					93
Dew Point	236217	6271	6.7	8.888	930	32.1	92.6					93

665-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

PAGE 1 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
68/ 67										.0								1	1		
66/ 65								.0		.1	.0							8	8		
64/ 63									.1	.0	.0							13	13		
62/ 61								.1	.1	.0								20	20		
60/ 59							.0	.2	.1	.0								22	22		
58/ 57							.0	.2	.1	.0								20	20		
56/ 55						.0	.1	.3	.0	.0								43	43		
54/ 53						.1	.3	.1	.1									47	47		
52/ 51					.0	.3	.4	.1										68	68	2	
50/ 49					.2	.3	.4	.1										70	70	4	
48/ 47				.0	.2	.6	.4	.0										97	97	28	
46/ 45			.0	.0	.6	.7	.3											121	121	29	
44/ 43			.1	.3	.7	.5	.1											133	133	52	
42/ 41			.1	.6	.8	.5	.1											158	158	93	
40/ 39		.0	.4	1.1	1.1	.2	.0											208	208	114	2
38/ 37		.2	.8	1.6	.9	.2												274	274	175	2
36/ 35		.2	1.0	2.2	.4	.1												281	282	265	11
34/ 33		.5	1.8	1.9	.3	.0												345	345	294	34
32/ 31		.8	2.9	1.7	.1													411	413	370	91
30/ 29	.1	1.2	2.5	1.2	.1													375	376	451	167
28/ 27	.0	1.5	2.2	.6	.0													329	329	497	252
26/ 25	.0	1.4	2.0	.5	.0													298	298	426	359
24/ 23	.0	.7	1.3	.1														157	157	362	254
22/ 21		1.0	1.5	.1														196	196	277	454
20/ 19	.1	1.9	2.2	.2														322	322	185	604
18/ 17	.2	1.7	1.1	.1														226	227	306	426
16/ 15	.2	1.8	.9															220	221	290	375
14/ 13	.0	2.8	.6															251	251	223	280
12/ 11	.1	2.8	.6															263	265	259	248
10/ 9	.2	3.2	.4															279	279	295	260
8/ 7	.0	3.6	.1															275	275	318	313
6/ 5	.0	2.0	.0															156	156	263	240
4/ 3	.1	4.1	.0															313	313	277	218
2/ 1	.1	5.2																397	397	335	321

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC
669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JAN (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
0/ -1	1.3	2.0																243	243	331	243
-2/ -3	.4	2.5																220	220	275	266
-4/ -5	.5	1.5																154	154	142	301
-6/ -7	.9	.9																134	134	153	247
-8/ -9	1.5	.1																125	125	176	262
-10/-11	1.1	.0																82	82	88	246
-12/-13	.5																	39	39	39	136
-14/-15	.4																	28	28	28	223
-16/-17	.1																	6	6	6	186
-18/-19	.0																	3	3	3	158
-20/-21	.0																	1	1	1	120
-22/-23																					57
-24/-25																					45
-26/-27																					18
-28/-29																					8
-32/-33																					4
-34/-35																					1
TOTAL	8.0	43.8	22.5	12.5	5.4	3.6	2.3	1.2	.5	.2	.1								7440		7432
																		7432		7432	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	27133277	438615	59.0	12.957	7432							
Dry Bulb	5146213	150199	20.2	16.858	7440	103.5	551.0	.1				744
Wet Bulb	3637729	124975	16.8	14.378	7432	124.3	638.3					744
Dew Point	2026520	55150	7.4	18.753	7432	252.8	739.1					744

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | FEB MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55							.1											1	1		
54/ 53								.1	.1									2	2		
52/ 51						.1		.4										4	4		
50/ 49					.1	.1	.4											5	5		
48/ 47					.1		.5	.1										6	6		
46/ 45				.4	.4	.4	.2	.1										12	12		
44/ 43				.7	.5	.4												13	13	1	
42/ 41				.5	.7	.9	.1											19	19	3	
40/ 39			.5	1.9	1.2	.1												31	31	11	
38/ 37		.4	1.2	2.2	1.4													44	44	12	
36/ 35			1.2	1.9	.4													29	29	24	
34/ 33		.8	1.9	2.8	.6													52	52	47	3
32/ 31	.2	1.8	3.6	3.2	.2													76	76	61	18
30/ 29	.4	2.4	4.6	.6														67	67	59	19
28/ 27	.2	2.0	2.8	.7														49	49	87	30
26/ 25		1.4	1.9	.5														32	32	77	39
24/ 23	.4	.9	1.3															22	22	46	33
22/ 21	.2	2.5	1.3															34	34	36	58
20/ 19	.4	2.5	1.4															36	36	38	95
18/ 17		3.1	1.1															35	35	26	75
16/ 15		3.0	.7	.1														32	32	39	46
14/ 13	.4	3.0	.2															30	30	34	52
12/ 11	.2	3.3	.2															32	32	33	38
10/ 9		4.3	.2															38	38	39	44
8/ 7	.1	3.4																30	30	39	30
6/ 5		1.2																10	10	25	30
4/ 3		1.4	.1															13	13	12	44
2/ 1		2.1																18	18	10	29
0/ -1	1.3	.9																19	19	27	18
-2/ -3	.4	1.3																14	14	16	23
-4/ -5	.7	1.2																16	16	10	22
-6/ -7	.4	.8																10	10	12	13
-8/ -9	.4																	3	3	10	13
-10/-11	.6																	5	5	5	13

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-12/-13	.2																	2	2	2	8
-14/-15	.1																	1	1	1	13
-16/-17	.4																	3	3	3	14
-18/-19																					6
-20/-21																					4
-22/-23																					4
-24/-25																					4
-26/-27																					1
-28/-29																					1
-30/-31																					3
-32/-33																					2
TOTAL	6.9	43.7	24.3	15.5	5.6	2.0	1.3	.7	.1										845		845
																		845		845	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3504246	53102	62.8	14.074	845							
Dry Bulb	600556	19136	22.6	14.075	845	7.3	62.3					84
Wet Bulb	446322	16466	19.5	12.192	845	8.5	78.3					84
Dew Point	247446	9468	11.2	12.942	845	16.1	83.7					84

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
54/ 53						.1		.1										2	2		
52/ 51						.1		.4										4	4		
50/ 49					.1		.1											2	2		
48/ 47					.5		.1											5	5		
46/ 45				.1	.2	.5	.1											8	8		
44/ 43					.5	.4	.5											11	11	2	
42/ 41				.4	1.1	.4	.1											16	16	1	
40/ 39			.1	1.3	2.2	.2												33	33	9	
38/ 37		.2	.7	2.5	1.1													38	38	5	
36/ 35	.1	.1	1.4	2.7	.4													40	40	25	2
34/ 33		1.1	2.6	2.4	.2													53	53	33	1
32/ 31	.4	1.2	3.7	2.1	.2													64	64	70	13
30/ 29	.4	.6	3.8	1.9														56	56	67	17
28/ 27	.6	2.0	2.5	.6														48	48	69	23
26/ 25	.4	1.9	2.0	.7														42	42	75	34
24/ 23	.4	1.8	1.1	.2														29	29	48	38
22/ 21	.1	2.7	1.5	.1														38	38	50	75
20/ 19	.7	3.2	.8	.4														43	43	42	72
18/ 17		3.4	.5	.1														34	34	30	80
16/ 15		2.6	.9															30	30	39	48
14/ 13	.1	4.1	.5															40	40	29	40
12/ 11		3.3	.2															30	30	44	53
10/ 9	.1	1.8	.2															18	18	29	39
8/ 7	.5	3.0	.1															30	30	32	46
6/ 5		2.1	.1															19	19	22	21
4/ 3	.5	1.7																18	18	23	41
2/ 1	.1	2.7																24	24	12	30
0/ -1	.6	.7																11	11	27	22
-2/ -3	.4	.6																8	8	8	22
-4/ -5	1.2	.7																16	16	14	17
-6/ -7	.9	1.5																21	21	17	19
-8/ -9	.4	.2																5	5	12	12
-10/-11	.7																	6	6	8	17
-12/-13	.1																	1	1	1	11

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 (OL A), JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | FEB MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
-14/-15																					10
-16/-17	.2																	2	2	2	14
-18/-19	.1																	1	1	1	5
-20/-21																					7
-22/-23																					3
-24/-25																					7
-26/-27																					1
-28/-29																					2
-30/-31																					2
-32/-33																					2
TOTAL	8.9	43.3	22.8	15.5	6.5	1.7	.9	.5										846			846
																		846		846	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3543409	53403	63.1	14.283	846							
Dry Bulb	573689	18583	22.0	13.995	846	7.0	63.0					84
Wet Bulb	428266	15992	18.9	12.210	846	8.9	76.6					84
Dew Point	234941	9011	10.7	13.053	846	17.2	83.7					84

FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 77-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55									.1									1	1		
52/ 51								.1										1	1		
50/ 49					.1		.2											3	3		
48/ 47					.2	.4	.1											6	6		
46/ 45				.1	.5	.8												12	12		
44/ 43			.1		.5	.2	.1											8	8		
42/ 41				.6	.8	.2												14	14	1	
40/ 39			.2	1.5	1.2	.1												26	26	6	
38/ 37		.1	.8	2.0	1.3	.2												38	38	12	
36/ 35		.1	2.5	3.4	.4													54	54	23	1
34/ 33		.2	3.2	3.0	.7													60	60	35	1
32/ 31		.8	3.0	2.2	.1													52	52	60	9
30/ 29	.5	1.1	3.8	1.9	.2													63	63	84	7
28/ 27	.1	2.2	2.1	.4														41	41	63	27
26/ 25	.1	.9	2.6	.6														36	36	64	48
24/ 23	.6	2.1	1.8	.1														39	39	54	38
22/ 21	.4	2.2	.6	.2														29	29	47	76
20/ 19	.1	4.3	1.1	.1														47	47	35	87
18/ 17	.1	3.3	.9	.1														38	38	41	44
16/ 15	.4	2.4	.9															31	31	48	55
14/ 13	.4	3.0	1.1															37	37	28	48
12/ 11		2.8	.2															26	26	31	62
10/ 9		2.7	.1															24	24	36	41
8/ 7		4.1	.1															36	36	34	29
6/ 5	.1	.9	.1															10	10	26	21
4/ 3	.1	1.7																15	15	7	30
2/ 1	.5	2.6																26	26	27	43
0/ -1	1.1	.5																13	13	23	28
-2/ -3	.7	1.3																17	17	13	19
-4/ -5	.8	1.1																16	16	16	17
-6/ -7	.4	.6																8	8	8	20
-8/ -9	.6	.4																8	8	11	17
-10/-11	.5																	4	4	6	22
-12/-13	.5																	4	4	4	5

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-14/-15	.4																	3	3	3	14
-16/-17																					7
-18/-19																					4
-20/-21																					5
-22/-23																					4
-24/-25																					7
-26/-27																					3
-28/-29																					4
-32/-33																					1
-34/-35																					2
TOTAL	8.2	41.5	25.3	16.3	6.0	2.0	.5	.1	.1									846	846		846
																		846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3471781	52893	62.5	13.967	846							
Dry Bulb	570401	18603	22.0	13.818	846	7.2	61.9					84
Wet Bulb	425343	15995	18.9	12.062	846	8.3	76.4					84
Dew Point	238029	8885	10.5	13.087	846	17.8	83.8					84

669-052

USAFETAC FORM 0-26-3 :OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
66/ 65										.1								1	1		
64/ 63									.2									2	2		
62/ 61											.2							2	2		
60/ 59								.1			.1							2	2		
58/ 57							.1	.4	.4	.1								8	8		
56/ 55							.1	.4	.1	.2								7	7		
54/ 53					.1	.2	.8	.4	.1									14	14		
52/ 51						.1	.4	.5										8	8		
50/ 49					.4	1.1	2.0	.2										31	31		
48/ 47					.9	1.8	.4											26	26	3	
46/ 45				.1	1.2	1.8	.8	.1										34	34	4	
44/ 43				.7	2.1	1.1	.2											35	35	10	
42/ 41			.2	.7	1.5	1.8												36	36	20	
40/ 39		.1	.6	2.1	2.2	.5	.1											48	48	34	
38/ 37		.2	1.2	1.7	1.1	.4												38	38	60	1
36/ 35			1.4	1.8	1.2	.2												39	39	46	2
34/ 33		.6	1.2	2.4	.7	.1												42	42	68	7
32/ 31		1.3	1.9	1.8	.7	.1												49	49	61	18
30/ 29	.1	1.8	.9	1.4	.1													37	37	52	27
28/ 27		.5	1.5	.6														22	22	62	43
26/ 25		.9	1.4	.6	.2													27	27	31	64
24/ 23	.1	1.2	.8	.1														19	19	41	58
22/ 21	.4	1.7	.7	.4														26	26	36	71
20/ 19	.2	2.7	.6	.4														33	33	27	64
18/ 17	.1	3.7	1.3															43	43	29	55
16/ 15		2.6	1.1															31	31	37	54
14/ 13	.1	3.6	.4															34	34	38	43
12/ 11		1.7	.1															15	15	34	46
10/ 9		3.4	.2															31	31	23	28
8/ 7		1.7	.1															15	15	26	37
6/ 5		1.1	.1															10	10	16	18
4/ 3		1.5	.1															14	14	10	33
2/ 1	.2	1.8																17	17	18	37
0/ -1	.9	.7																14	14	19	19

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 OL A JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

649-052

OBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — FEB MONTH

PAGE 2 — 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/ -3	.4	1.3																14	14	13	21
-4/ -5	.5	.7																10	10	10	17
-6/ -7	.1	.7																7	7	7	16
-8/ -9		.1																1	1	6	13
-10/-11	.4																	3	3	4	7
-12/-13																					9
-14/-15																					10
-16/-17																					4
-18/-19																					9
-20/-21																					4
-22/-23																					2
-24/-25																					3
-26/-27																					2
-34/-35																					2
-36/-37																					1
TOTAL	3.6	35.5	16.0	14.7	12.5	9.1	5.0	2.0	.8	.5	.4							845	845		845
																		845		845	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2934648	47506	56.2	16.646	845							
Dry Bulb	879981	23701	28.0	15.968	845	4.9	46.9					84
Wet Bulb	597289	19649	23.3	12.837	845	5.9	59.6					84
Dew Point	285443	11097	13.1	12.866	845	13.8	83.0					84

669-052

FORM 0-25-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67										.2	.4							5	5		
66/ 65										.1								1	1		
64/ 63										.2	.2							4	4		
62/ 61										.6								5	5		
60/ 59								.4	.7	.4								12	12		
58/ 57								.7	1.1	.5								19	19		
56/ 55							.4	1.2	.7	.2								21	21		
54/ 53						.2	.7	1.3	.2									21	21		
52/ 51					.2	.8	1.2	1.1	.4									31	31		
50/ 49					.7	2.1	1.7		.2									40	40	5	
48/ 47				.1	1.1	.9	.9	.2										28	28	2	
46/ 45				.4	.8	1.3	1.4											33	33	10	
44/ 43			.2	.8	1.7	1.9	.4											42	42	25	
42/ 41			.4	.6	1.9	1.1	.2											35	35	49	
40/ 39			.7	2.0	1.2	1.5	.4											49	49	62	
38/ 37			.9	1.8	1.2	.7												39	39	47	
36/ 35		.1	.6	1.8	1.1													30	30	64	4
34/ 33		.4	.8	1.3	.5	.1												26	26	62	10
32/ 31		1.5	.9	2.1	.5													43	43	50	22
30/ 29		.6	.8	.7	.7													24	24	62	45
28/ 27	.2	1.1	2.7	.7	.4													43	43	35	38
26/ 25	.1	1.1	1.2		.1													21	21	38	65
24/ 23		.4	.5	.1														8	8	40	50
22/ 21	.2	1.4	.9															22	22	28	81
20/ 19	.2	3.8	1.4															46	46	31	63
18/ 17		1.9	1.4															28	28	30	61
16/ 15		2.1	1.2	.1														29	29	28	53
14/ 13		2.0	.4															20	20	34	52
12/ 11	.1	2.7	.1															25	25	22	41
10/ 9		2.0	.2															19	19	31	30
8/ 7		1.3	.1															12	12	14	31
6/ 5		.9																8	8	19	32
4/ 3		1.3																11	11	4	31
2/ 1		2.5																21	21	14	33

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 OLA (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

669 052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
0/ -1	.4	.7																9	9	22	13
-2/ -3	.2	1.2																12	12	9	16
-4/ -5		.4																3	3	5	10
-6/ -7		.1																1	1	3	12
-8/ -9																				1	9
-10/-11																					12
-12/-13																					7
-14/-15																					7
-16/-17																					3
-18/-19																					10
-20/-21																					2
-28/-29																					1
-32/-33																					2
TOTAL	1.5	29.4	15.6	12.5	11.9	10.8	7.2	4.8	3.3	2.2	.6								846		846
																		846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2493336	43591	51.5	17.106	846							
Dry Bulb	1110256	27258	32.2	16.570	846	2.5	40.2	.5				84
Wet Bulb	714518	22112	26.1	12.713	846	4.0	51.6					84
Dew Point	302918	12362	14.6	12.030	846	10.3	82.6					84

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	27 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67										.1								1	1		
66/ 65										.2								2	2		
64/ 63									.1	.2	.2							5	5		
62/ 61									.1	.2								3	3		
60/ 59									.6	.2								7	7		
58/ 57								.6	.1	.4								9	9		
56/ 55						.1	.5	1.3	1.3									27	27		
54/ 53							1.3	1.1	.1	.1								22	22		
52/ 51						.5	.7	.5										14	14		
50/ 49					.8	.8	2.0	.1	.1									33	33	1	
48/ 47				.5	.4	2.0	1.5		.1									38	38	4	
46/ 45				.7	1.3	1.3	.5											32	32	6	
44/ 43			.2	.8	1.7	1.3	.4	.1										38	38	22	
42/ 41			.8	.7	1.5	.7	.4											35	35	45	
40/ 39			.6	1.7	1.1	1.2												38	38	48	
38/ 37			.7	2.6	1.8	.6												48	48	62	
36/ 35		.2	1.9	2.6	1.3													51	51	55	6
34/ 33		.7	1.7	2.0	.2													39	40	50	10
32/ 31		.6	1.2	1.8	.8													37	37	70	31
30/ 29	.2	.9	1.3	.8	.6													33	34	64	26
28/ 27	.4	.8	1.8	.2	.1													28	28	46	58
26/ 25		.8	1.9	.2	.1													26	26	36	56
24/ 23		.5	1.3	.1														16	16	33	61
22/ 21		1.2	1.1															19	19	36	69
20/ 19		3.6	1.1	.1														40	40	26	65
18/ 17		2.3	.9	.1														28	28	37	64
16/ 15		1.8	1.5	.1														29	29	22	49
14/ 13		2.7	.4															26	26	29	51
12/ 11		2.8	.2															26	26	32	53
10/ 9		1.7	.4															17	17	30	51
8/ 7		.7	.1															7	7	13	18
6/ 5		.8																7	7	11	27
4/ 3		1.1																9	9	7	30
2/ 1		3.1																26	26	15	30

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

469-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
0/ -1	.1	1.3																12	12	22	20
-2/ -3	.4	.5																7	7	10	10
-4/ -5		.8																7	7	5	16
-6/ -7		.2																2	2	5	7
-8/ -9																				2	12
-10/-11																					9
-12/-13																					7
-14/-15																					9
-16/-17																					6
-18/-19																					6
-20/-21																					3
-22/-23																					1
-26/-27																					1
-28/-29																					1
-30/-31																					1
TOTAL	1.1	29.1	19.1	15.2	11.7	8.5	7.2	3.7	2.6	1.5	.2							844	846	844	844

Element (A)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2625434	44982	53.3	16.448	844							
Dry Bulb	1046174	26482	31.3	16.033	846	2.8	40.0	.1				84
Wet Bulb	689161	21657	25.7	12.582	844	8.4	54.8					84
Dew Point	308859	12461	14.8	12.171	844	10.8	82.4					84

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 71-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55							.1	.2										3	3		
54/ 53							.2	.1	.1									4	4		
52/ 51						.5		.1										5	5		
50/ 49					.1	.1	.1	.1										4	4		
48/ 47					.2	1.5	.2											17	17		
46/ 45				.1	.8	.6	.7											19	19		
44/ 43				.8	.9	.8												22	22	3	
42/ 41		.1	.5	1.1	1.8	.8												36	36	7	
40/ 39		.1	1.1	3.1	2.1		.1											55	55	15	
38/ 37		.1	1.9	3.1	1.4	.4												50	58	33	
36/ 35		.4	1.2	3.6	.6													48	48	45	4
34/ 33		1.1	2.2	2.4	.6													53	53	72	1
32/ 31		.8	3.8	2.0														56	56	69	24
30/ 29		1.7	2.7	2.0														54	54	74	18
28/ 27		2.0	3.7	.2														50	51	67	45
26/ 25	.1	1.2	1.7	.2														27	27	65	50
24/ 23	.4	.9	.9															19	19	53	56
22/ 21	.1	.7	.7	.2														15	15	28	76
20/ 19	.2	2.7	1.9	.1														42	42	12	101
18/ 17		3.2	.5	.1														32	32	40	47
16/ 15	.2	3.1	1.1	.1														38	38	46	53
14/ 13		2.6	.1															23	23	23	45
12/ 11		2.8	.6															29	29	28	47
10/ 9		2.8	.5															28	28	34	37
8/ 7		1.5	.2															15	15	29	27
6/ 5		1.4	.1															13	13	15	23
4/ 3	.2	.6																7	7	12	29
2/ 1	.1	2.0																18	18	10	31
0/ -1	.5	1.3																15	15	20	17
-2/ -3	.4	.9																11	11	11	15
-4/ -5	.4	.7																9	9	8	12
-6/ -7	.6	1.1																14	14	13	17
-8/ -9	.1	.2																3	3	8	9
-10/-11	.1																	1	1	3	12

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-12/-13	.1																	1	1	1	4
-14/-15	.1																	1	1	1	8
-16/-17																					10
-18/-19																					13
-20/-21																					4
-22/-23																					4
-24/-25																					1
-26/-27																					2
-32/-33																					3
TOTAL	3.7	36.2	25.3	19.2	8.6	4.7	1.5	.6	.1										846		845
																		845		845	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3229405	50899	60.2	13.917	845							
Dry Bulb	738221	21897	25.9	18.245	846	5.5	51.8					84
Wet Bulb	535770	13640	22.1	12.150	845	6.5	66.6					84
Dew Point	285851	11183	13.2	12.780	845	13.0	83.5					84

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.- W.B.	Dry Bulb	Wet Bulb	Dew Point
54/ 53								.4										3	3		
50/ 49					.1	.2												3	3		
48/ 47					.4	.4	.2											8	8		
46/ 45				.2	.5	.6	.6											16	16		
44/ 43				.4	.8	1.1												19	19		
42/ 41			.1	.9	1.1	.6												23	23	3	
40/ 39			.6	2.5	2.0	.1												44	44	10	
38/ 37			1.4	2.6	1.2													44	44	12	
36/ 35		.2	2.0	2.7	.2	.1												45	45	39	
34/ 33	.1	.9	1.7	2.7	.7													52	52	53	3
32/ 31	.1	1.7	4.4	3.1	.2													80	80	73	13
30/ 29	.2	2.2	2.5	.8														49	49	66	17
28/ 27	.1	1.8	2.4	.2														38	38	89	39
26/ 25		2.0	3.4	.4														49	49	57	52
24/ 23	.2	2.0	1.2															29	29	49	45
22/ 21	.2	1.9	.8															25	25	51	65
20/ 19	.4	3.0	1.7															42	42	28	99
18/ 17		2.2	.8															26	26	28	61
16/ 15		3.7	.8															38	38	39	55
14/ 13	.4	3.2	1.2															40	40	41	45
12/ 11		2.1	.1															19	19	31	45
10/ 9		2.4	.2															22	22	31	42
8/ 7	.1	2.2	.1															21	21	25	35
6/ 5		2.0	.1															18	18	18	25
4/ 3	.1	.8																8	8	15	27
2/ 1	.2	2.1																20	20	18	25
0/ -1	.5	.7																10	10	9	28
-2/ -3	.6	1.2																15	15	18	16
-4/ -5	.7	.6																11	11	9	17
-6/ -7	.7	1.1																15	15	12	14
-8/ -9	.9	.4																11	11	16	10
-10/-11																				3	12
-12/-13																					12
-14/-15	.4																	3	3	3	9

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-16/-17																					9
-18/-19																					9
-20/-21																					6
-22/-23																					3
-24/-25																					2
-28/-29																					3
-30/-31																					1
-34/-35																					2
TOTAL	6.0	40.4	25.5	16.5	7.2	3.1	.8	.4										846	846	846	846

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3438909	52663	62.2	13.789	846							
Dry Bulb	648285	20221	23.9	13.972	846	6.5	58.5					84
Wet Bulb	480174	17374	20.5	12.083	846	7.0	72.4					84
Dew Point	263075	10319	12.2	12.743	846	15.2	83.7					84

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
68/ 67										.0	.0							6	6		
66/ 65										.1								4	4		
64/ 63									.0	.1	.1							11	11		
62/ 61									.0	.1	.0							10	10		
60/ 59								.1	.2	.1	.0							21	21		
58/ 57							.0	.2	.2	.1								36	36		
56/ 55						.0	.1	.4	.3	.1								60	60		
54/ 53					.0	.1	.4	.4	.1	.0								68	68		
52/ 51					.0	.3	.3	.4	.0									67	67		
50/ 49					.3	.6	.8	.1	.0									121	121	6	
48/ 47				.1	.5	.9	.5	.0	.0									134	134	9	
46/ 45				.3	.7	.9	.5	.0										166	166	20	
44/ 43			.1	.5	1.1	.9	.2	.0										188	188	63	
42/ 41		.0	.3	.7	1.3	.8	.1											214	214	129	
40/ 39		.0	.5	2.0	1.7	.5	.1											324	324	195	
38/ 37		.1	1.1	2.3	1.3	.3												347	347	243	1
36/ 35	.0	.1	1.5	2.6	.7	.0												336	336	321	19
34/ 33	.0	.7	1.9	2.4	.5	.0												377	378	420	36
32/ 31	.1	1.2	2.8	2.3	.4	.0												457	457	514	148
30/ 29	.2	1.4	2.6	1.3	.2													383	384	528	176
28/ 27	.2	1.6	2.4	.5	.1													319	320	518	303
26/ 25	.1	1.3	2.0	.4	.1													260	260	443	408
24/ 23	.3	1.2	1.1	.1														181	181	364	379
22/ 21	.2	1.8	1.0	.1														208	208	312	571
20/ 19	.3	3.2	1.2	.1														329	329	239	646
18/ 17	.0	2.9	.9	.1														264	264	261	487
16/ 15	.1	2.6	1.0	.1														258	258	298	413
14/ 13	.2	3.0	.5															250	250	256	376
12/ 11	.0	2.7	.2															202	202	255	385
10/ 9	.0	2.6	.3															197	197	253	292
8/ 7	.1	2.2	.1															166	166	212	253
6/ 5	.0	1.3	.1															95	95	152	197
4/ 3	.1	1.3	.0															95	95	90	265
2/ 1	.1	2.4																170	170	124	258

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) FEB (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
0/ -1	.7	.9																103	103	169	165
-2/ -3	.4	1.0																98	98	98	142
-4/ -5	.5	.8																88	88	77	128
-6/ -7	.4	.8																78	78	77	118
-8/ -9	.3	.2																31	31	66	95
-10/-11	.3																	19	19	29	104
-12/-13	.1																	8	8	8	63
-14/-15	.1																	8	8	8	80
-16/-17	.1																	5	5	5	67
-18/-19	.0																	1	1	1	62
-20/-21																					35
-22/-23																					21
-24/-25																					24
-26/-27																					10
-28/-29																					12
-30/-31																					7
-32/-33																					10
-34/-35																					6
-36/-37																					1
TOTAL	5.0	37.4	21.7	15.7	8.8	5.2	3.1	1.6	.9	.5	.1							6763	6766	6763	6763

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	25211167	399039	59.0	15.699	6763							
Dry Bulb	6167563	175881	26.0	15.358	6766	43.6	428.6	.6				672
Wet Bulb	4316843	147885	21.9	12.656	6763	53.5	532.3					672
Dew Point	2171562	84786	12.5	12.804	6763	114.3	666.8					672

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FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 61									.2									2	2		
60/ 59								.2										2	2		
58/ 57							.1	.1										2	2		
56/ 55							.1											1	1		
54/ 53						.1		.1										2	2		
52/ 51						.1	.5	.2										8	8		
50/ 49					.2	.9	.1											11	11		
48/ 47				.1	.2	1.0	.3											15	15		
46/ 45		.1		.3	.4	.4												12	12	6	
44/ 43			.2	.5	.5	.2												14	14	4	
42/ 41		.2	.5	1.1	.6	.5	.1											29	29	6	1
40/ 39		.4	1.0	1.3	1.2	.2	.1											39	39	24	1
38/ 37		1.2	2.2	1.4	1.1	.1												55	55	34	3
36/ 35		2.0	2.3	2.0	.8													66	66	48	4
34/ 33	.3	3.4	4.2	2.0	.9													101	101	64	25
32/ 31	.1	3.9	3.9	2.3	.4													98	98	89	34
30/ 29	.8	4.0	4.8	1.8														106	106	107	57
28/ 27	.8	3.1	4.3	.9														84	84	123	61
26/ 25	.1	2.0	3.3	.4														55	55	93	102
24/ 23	.3	1.9	1.2	.2														34	34	82	59
22/ 21	.3	3.2	1.0															42	42	66	76
20/ 19	.3	2.5	1.0															35	35	40	104
18/ 17	.1	1.7																17	17	22	77
16/ 15	.4	1.0																13	13	31	70
14/ 13	.4	1.7																20	20	8	70
12/ 11	.4	1.4																17	17	24	47
10/ 9	.2	1.0																11	11	12	32
8/ 7	.1	1.0																10	10	11	26
6/ 5		.4																4	4	8	14
4/ 3	.2	.8																9	9	11	20
2/ 1	.1	.4																5	5	5	13
0/ -1	.3	.1																4	4	4	5
-2/ -3	.4	.2																6	6	7	4
-4/ -5	.1																	1	1	1	10

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-6/ -7																					6
-8/ -9																					4
-10/-11																					2
-12/-13																					2
-14/-15																					1
TOTAL	5.9	37.7	29.8	14.4	6.3	3.5	1.4	.6	.2										930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4341410	61972	66.6	15.100	930							
Dry Bulb	904009	27371	29.4	10.294	930	1.1	57.1					93
Wet Bulb	695079	24133	25.9	8.608	930	1.2	74.4					93
Dew Point	608792	17618	18.9	8.987	930	3.4	89.6					93

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PAGE 1 0300-0500 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61									.4									4	4		
60/ 59								.1										1	1		
58/ 57							.1			.1								2	2		
56/ 55									.2									2	2		
54/ 53							.1	.3										4	4		
52/ 51						.3	.1	.1										5	5		
50/ 49						.5	.1											6	6		
48/ 47						.9	.1											9	9	1	
46/ 45				.1	.4	.6												11	11	5	
44/ 43				.1	.4													5	5		
42/ 41			.1	.6	.2	.3												12	12	9	
40/ 39		.1	1.5	.9	.6	.1												30	30	12	
38/ 37		2.3	1.7	2.0	1.1													66	66	16	
36/ 35		1.6	2.3	1.8	1.0	.2												64	64	58	1
34/ 33	.3	1.9	3.5	2.5	.4													81	81	52	15
32/ 31	.1	4.1	5.1	2.4	.5													113	113	70	36
30/ 29	.4	4.4	3.1	1.0														83	83	113	51
28/ 27	.6	4.2	4.5	1.1														97	97	123	59
26/ 25	.4	2.9	3.4	.2														65	65	94	91
24/ 23	.3	2.6	1.9	.1														46	46	90	60
22/ 21	.5	2.7	1.2	.3														44	44	65	75
20/ 19	.8	4.0	.8															51	51	55	106
18/ 17		2.3																21	21	36	76
16/ 15	.2	1.0	.2															13	13	29	85
14/ 13	.3	1.2																14	14	10	69
12/ 11	.1	2.5																24	24	19	47
10/ 9	.1	.8	.2															10	10	20	43
8/ 7	.2	1.4																15	15	8	29
6/ 5		.6																6	6	14	11
4/ 3	.2	.2																4	4	9	12
2/ 1	.1	.9																9	9	8	20
0/ -1	.3	.1																4	4	4	9
-2/ -3		.4																4	4	4	3
-4/ -5	.4																	4	4	5	8

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-6/ -7	.1																	1	1	1	10
-8/ -9																					6
-10/-11																					4
-12/-13																					1
-14/-15																					2
-16/-17																					1
TOTAL	5.7	42.0	29.6	13.1	4.7	3.0	.5	.5	.6	.1								930	930	930	930

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4446964	62822	67.6	14.793	930							
Dry Bulb	837252	26206	28.2	10.313	930	1.3	62.8					93
Wet Bulb	648588	21194	24.9	8.689	930	1.8	77.7					93
Dew Point	381243	16833	18.1	9.081	930	6.4	91.4					93

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USAFETAC FORM 0-26-3 OL A (JAN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
66/ 65										.1								1	1		
64/ 63							.2		.1									3	3		
62/ 61									.4									4	4		
60/ 59							.1	.1										2	2		
58/ 57								.1	.1	.2								4	4		
56/ 55								.1										1	1		
54/ 53							.3											3	3		
52/ 51					.1	.1	.8	.1										10	10	2	
50/ 49					.3	.2	.4											9	9		
48/ 47					.2	.6	.3											11	11	4	
46/ 45				.5	.5	.2	.1											13	13	4	
44/ 43			.1	.4	.2	.2												9	9	4	
42/ 41		.1	.3	.8	.9	.6	.1											26	26	12	1
40/ 39		.1	1.2	1.3	1.3	.3												39	39	19	1
38/ 37		.9	2.2	2.9	.8	.2												64	64	23	1
36/ 35		1.8	3.7	2.3	.8													79	79	44	6
34/ 33	.1	2.2	5.2	2.4	.6													97	97	65	8
32/ 31		4.3	5.2	2.2	.3													111	111	108	41
30/ 29	.5	3.0	3.2	1.6														78	78	119	58
28/ 27	.5	3.7	2.9	.5														71	71	114	62
26/ 25	.2	2.9	1.5	.2														45	45	88	99
24/ 23	.1	1.5	2.0															34	34	65	62
22/ 21	.2	2.4	.9															32	32	47	83
20/ 19	.8	3.8	.4															46	46	43	102
18/ 17	.2	2.4	.2															26	26	36	83
16/ 15	.1	2.3	.1															23	23	30	69
14/ 13	.2	1.2	.1															14	14	15	50
12/ 11		1.0	.3															12	12	13	59
10/ 9	.1	1.3																13	13	15	37
8/ 7	.1	1.4																14	14	13	24
6/ 5		.5																5	5	13	6
4/ 3	.1	.9																9	9	11	11
2/ 1	.3	.6																9	9	8	11
0/ -1	.2	.2																4	4	4	9

Element (X)	Σ_{Δ}'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — MAR MONTH

PAGE 2 — 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/ -3	.2	.3																5	5	6	12
-4/ -5	.3																	3	3	4	11
-6/ -7																					12
-8/ -9																					2
-10/-11																					6
-12/-13																					1
-14/-15																					2
TOTAL	4.4	38.6	29.5	15.1	6.0	2.6	2.4	.4	.6	.3									929		929
																		929		929	

Element (Y)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4251952	61286	66.0	15.004	929							
Dry Bulb	916175	27293	29.4	11.100	929	1.2	55.5					93
Wet Bulb	695008	23946	25.8	9.155	929	1.4	75.3					93
Dew Point	402126	17288	18.6	9.308	929	5.5	91.3					93

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
72/ 71											.1	.2						3	3		
70/ 69									.1	.1	.1							3	3		
68/ 67										.1	.2	.2						5	5		
66/ 65								.3	.1	.3								7	7		
64/ 63							.1	.1	.2	.2	.1							7	7		
62/ 61								.1	.3	.4								8	8		
60/ 59								.4	.5	.4								13	13		
58/ 57						.1	.1	.6	.5	.2								15	15		
56/ 55					.1	.1	.3	.9	.2	.1								16	16		
54/ 53					.2	.5	1.2	.8										25	25	3	
52/ 51					.4	.5	1.1	.3	.3									25	25	5	
50/ 49				.2	.4	1.1	.9	.5										29	29	5	
48/ 47				.4	1.0	1.3	1.2	.5										41	41	13	
46/ 45			.2	.6	.7	.5	1.1	.2										41	41	18	
44/ 43				1.6	1.9	1.5	.9											55	55	34	
42/ 41			1.1	2.7	1.5	1.9	.3											70	70	46	4
40/ 39			1.5	3.2	1.8	1.0												70	70	44	2
38/ 37		.8	1.3	3.4	1.7	.5												72	72	73	8
36/ 35		1.6	2.2	2.4	.9	.1												66	66	99	9
34/ 33		1.4	2.0	2.4	.2													56	56	102	26
32/ 31	.2	2.5	2.9	1.7	.1													69	69	102	67
30/ 29	.2	.8	1.5	.2														25	25	85	76
28/ 27	.2	1.9	.9	.2	.1													31	31	71	65
26/ 25	.1	1.1	1.5															25	25	43	110
24/ 23		1.3	.5															17	17	23	67
22/ 21		.9	.1															9	9	28	76
20/ 19	.2	2.8	1.1															38	38	16	90
18/ 17		1.6	.1															16	16	30	63
16/ 15	.4	1.3	.3															19	19	25	71
14/ 13	.1	.8	.2															10	10	12	50
12/ 11		.3	.3															6	6	7	32
10/ 9		1.1	.1															11	11	10	27
8/ 7		1.0																9	9	10	28
6/ 5		.8																7	7	12	7

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PAGE 2 0900-1100 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 3	.1	.9																9	9	8	6
2/ 1																				4	13
0/ -1	.2																	2	2	2	6
-2/ -3																					10
-4/ -5																					4
-6/ -7																					11
-8/ -9																					1
-12/-13																					1
TOTAL	1.8	22.6	17.8	19.1	12.2	9.2	7.1	4.8	2.4	1.9	.5	.4						930	930		930
																		930		930	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3201489	51793	55.7	18.474	930							
Dry Bulb	1425061	34289	36.9	13.158	930	.2	30.3	1.1				93
Wet Bulb	964300	28566	30.7	9.670	930	.2	48.8					93
Dew Point	475475	19295	20.7	8.998	930	3.3	88.1					93

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — MAR MONTH

PAGE 1 — 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79													.1					1	1		
78/ 77												.1						1	1		
76/ 75												.1	.1					2	2		
74/ 73											.1	.4						5	5		
72/ 71												.2						2	2		
70/ 69									.1		.5	.1						7	7		
68/ 67										.2	.2	.2						6	6		
66/ 65									.1	.8	.3							11	11		
64/ 63								.1	.8	.6	.9							22	22		
62/ 61							.1	.4	.8	.5	.5							22	22		
60/ 59						.3	.3	.3	1.2	.5								25	25		
58/ 57					.1	.1	.8	1.0	.6	.5								29	29		
56/ 55						.4	.9	1.0	.5									26	26	3	
54/ 53					.2	.8	1.5	1.2	.8									41	41	4	
52/ 51					.5	1.0	.8	1.5										35	35	10	
50/ 49					1.9	.6	1.1	1.3	.4									50	50	14	
48/ 47			.2	.5	1.6	1.4	.9	1.0	.1									53	53	28	
46/ 45				1.0	1.6	1.6	1.7	.2	.1									58	58	36	
44/ 43				1.7	2.2	1.5	.9											58	58	59	
42/ 41			.8	1.0	2.0	1.7	.3											54	54	74	3
40/ 39		.1	1.6	1.6	2.5	1.0												63	63	65	4
38/ 37		.8	1.7	2.5	.9	.1												55	55	80	6
36/ 35		.9	1.1	1.9	.6													42	42	100	19
34/ 33		1.7	1.3	.6	.1													35	35	84	51
32/ 31		1.0	1.4	1.4	.1													36	36	100	92
30/ 29		1.0	1.3	.2														23	23	51	65
28/ 27	.1	.9	.9	.3														20	20	33	60
26/ 25		1.2	.8	.3														21	21	33	88
24/ 23		1.3	.1	.1														14	14	25	60
22/ 21		2.6	.6	.1														31	31	21	79
20/ 19	.2	1.9		.2														22	22	27	72
18/ 17		1.4	.1	.1														15	15	25	92
16/ 15		.9	.2															10	10	15	66
14/ 13	.1	.6	.2															9	9	6	50

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11	.1	.4	.1															6	6	12	34
10/ 9		.9																8	8	6	26
8/ 7		.9																8	8	12	18
6/ 5		.2																2	2	4	7
4/ 3		.2																2	2	3	5
2/ 1																					7
0/ -1																					11
-2/ -3																					8
-4/ -5																					4
-6/ -7																					3
TOTAL	.5	18.7	12.4	13.7	14.4	10.5	9.1	8.0	5.5	3.2	2.6	1.2	.2					930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2665918	46350	49.8	19.573	930							
Dry Bulb	1776610	38496	41.4	18.040	930		22.7	2.8	.9			93
Wet Bulb	1132147	31173	33.5	9.691	930		37.3					93
Dew Point	508795	20183	21.7	8.729	930	2.6	88.7					93

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEAT SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79													.1	.1				2	2		
78/ 77												.1	.2					3	3		
76/ 75												.1						1	1		
70/ 69										.1		.2						3	3		
68/ 67									.1	.2	.4							7	7		
66/ 65								.2	.1	.6	.3	.3						15	15		
64/ 63									1.0	.9	.4	.1						22	22		
62/ 61						.1		.4	1.0	.8	.2							23	23		
60/ 59						.1	.5	1.0	.5	1.2								31	31		
58/ 57						.1	.8	.3	.8	.4	.1							23	23		
56/ 55						.8	.6	1.3	1.3									37	37	3	
54/ 53						1.1	1.1	1.3	.8									39	39	3	
52/ 51					.1	1.1	1.0	1.4										33	33	5	
50/ 49			.1	.1	.8	1.8	1.1	1.4	.3									52	52	12	
48/ 47				.4	1.4	1.7	1.6	1.1	.3									61	61	30	
46/ 45			.4	1.6	1.2	1.3	1.4	.4	.2									61	61	47	
44/ 43			.8	1.0	1.8	1.7	.8	.1										57	57	46	
42/ 41			.9	.9	2.0	1.7	.4											55	55	75	2
40/ 39			.8	2.2	1.7	.9												51	51	84	6
38/ 37		1.1	1.9	1.8	.8	.1												53	53	72	7
36/ 35		.5	1.9	2.3	.8													51	51	98	22
34/ 33	.1	1.4	.9	1.0	.1													32	32	94	51
32/ 31	.2	.8	.9	1.2														28	28	92	78
30/ 29	.2	1.0	1.0	.8														27	27	56	63
28/ 27		.6	.3															9	9	30	80
26/ 25		.5	1.2	.3														19	19	21	68
24/ 23		1.3	1.2	.1														24	24	20	53
22/ 21	.1	2.7	.8	.3														36	36	31	70
20/ 19	.1	2.2																21	21	40	99
18/ 17		1.3	.1															13	13	15	69
16/ 15		.8	.4															11	11	18	66
14/ 13	.3	.5	.2															10	10	8	54
12/ 11		.4																4	4	9	54
10/ 9		.9																8	8	7	32

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

~~72662S~~ STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7		.5																5	5	6	9
6/ 5		.3																3	3	8	6
4/ 3																					5
2/ 1																					11
0/ -1																					8
-2/ -3																					10
-4/ -5																					4
-6/ -7																					3
TOTAL	1.1	16.8	13.7	13.9	10.6	12.5	9.2	8.9	6.3	4.2	1.5	.9	.3	.1				930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	~~2615136~~	~~45658~~	~~49.1~~	~~20.053~~	~~930~~							
Dry Bulb	~~1788772~~	~~38718~~	~~41.6~~	~~13.797~~	~~930~~		~~21.8~~	~~1.6~~	~~.6~~			~~93~~
Wet Bulb	~~1133559~~	~~31247~~	~~33.6~~	~~9.492~~	~~930~~		~~36.1~~					~~93~~
Dew Point	~~500355~~	~~19937~~	~~21.4~~	~~8.862~~	~~930~~	~~2.5~~	~~88.2~~					~~93~~

669-052

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
74/ 73												.1							1	1		
70/ 69											.1								1	1		
66/ 65									.1	.1									2	2		
62/ 61								.1	.1										2	2		
60/ 59						.1	.1	.2	.2										6	6		
58/ 57								.2	.1	.1									4	4		
56/ 55						.2	.4	.4	.5										15	15		
54/ 53					.3	.3	.5	.3	.4										18	18	1	
52/ 51					.2	1.1	1.0	.1	.1										23	23	2	
50/ 49				.1	.6	1.2	1.3	.5											35	35	2	
48/ 47			.1	.5	1.0	.8	1.2	.1											34	34	7	
46/ 45		.1	.1	1.3	1.3	1.1	.9												44	44	6	
44/ 43			.4	2.3	1.1	1.5	.9												57	57	24	
42/ 41		.1	.3	2.2	1.4	1.2	.4												52	52	34	1
40/ 39	.1	.3	2.6	2.2	1.9	.8													73	73	59	7
38/ 37	.1	1.1	2.2	2.4	2.2	1.1													83	83	67	6
36/ 35		2.4	1.5	2.5	1.3	.1													72	72	93	19
34/ 33		1.8	2.7	2.7	1.1	.1													78	78	101	29
32/ 31	.5	2.0	3.3	2.2	.3														78	78	92	74
30/ 29	.1	1.7	2.8	.5															48	48	96	77
28/ 27	.4	1.1	1.6																29	29	101	63
26/ 25		1.0	.6	.1															16	16	57	72
24/ 23		1.4	.1	.1															15	15	29	58
22/ 21	.1	.4	.5																10	10	15	76
20/ 19	.9	2.5	.9	.1															40	40	20	95
18/ 17	.3	2.5	.4																30	30	28	67
16/ 15	.1	1.4	.1																15	15	35	73
14/ 13	.2	1.7	.1																19	19	15	59
12/ 11		.6																	6	6	15	40
10/ 9		.4	.1																5	5	8	39
8/ 7		.6																	6	6	6	24
6/ 5		.6																	6	6	7	12
4/ 3		.6																	6	6	6	9
2/ 1		.1																	1	1	4	6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
0/ -1																					4
-2/ -3																					10
-4/ -5																					5
-6/ -7																					3
-8/ -9																					2
TOTAL	2.9	24.6	20.5	19.0	12.7	9.5	6.7	2.0	1.6	.2	.1	.1						930	930	930	930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3511608	54620	58.7	18.081	930							
Dry Bulb	1276360	32758	35.2	11.483	930		33.0	.2	.1			93
Wet Bulb	903860	27810	29.9	8.819	930		53.4					93
Dew Point	475436	19338	20.8	8.885	930	2.4	86.8					93

669-052

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59								.1										1	1		
58/ 57							.1	.1										2	2		
56/ 55							.5											5	5		
54/ 53						.1	.1	.1										3	3		
52/ 51				.1	.3	.1	.2	.1										8	8		
50/ 49			.1		.2	.9	.3	.1										15	15		
48/ 47			.1	.1	1.0	1.1	.4											25	25		
46/ 45				.4	1.2	.4	.3											22	22	5	
44/ 43		.2	.3	.5	.9	.8	.4											29	29	11	
42/ 41		.4	.3	1.5	1.5	1.3												47	47	10	2
40/ 39		.3	2.0	2.2	1.1	.6												58	58	38	3
38/ 37		1.2	2.4	2.6	.9	.1												66	66	37	5
36/ 35		3.4	2.8	3.0	.9	.1												95	95	67	8
34/ 33	.3	1.6	3.9	2.6	.5													83	83	109	24
32/ 31	.1	3.5	4.6	2.8	.8													110	110	82	64
30/ 29	.6	2.3	4.1	2.0	.3													87	87	118	72
28/ 27	.2	2.2	2.5	.4														49	49	108	68
26/ 25	.4	1.7	1.7															36	36	86	72
24/ 23	.3	1.5	1.2	.1														29	29	66	65
22/ 21	.1	1.6	.5															21	21	35	73
20/ 19	.8	1.8	.4															28	28	25	103
18/ 17	.4	1.7	.5															25	25	23	75
16/ 15	.1	1.7	.3															20	20	25	71
14/ 13	.2	2.7																27	27	23	56
12/ 11	.1	.8																8	8	27	41
10/ 9	.1	.6																7	7	8	36
8/ 7	.1	.2																3	3	5	26
6/ 5		.1																1	1	1	19
4/ 3		1.3																12	12	8	19
2/ 1		.4																4	4	7	5
0/ -1	.3	.1																4	4	5	2
-2/ -3																				1	1
-4/ -5																					7
-6/ -7																					8

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-8/ -9																					2
-10/-11																					2
-12/-13																					1
TOTAL	4.3	31.5	27.8	18.4	9.5	5.5	2.5	.5											930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4070904	59736	64.2	15.868	930							
Dry Bulb	1026292	29388	31.6	10.251	930	.4	47.1					93
Wet Bulb	773335	25643	27.6	8.446	930	.6	65.3					93
Dew Point	446061	18619	20.0	8.883	930	2.3	88.8					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
80/ 79													.0	.0				3	3		
78/ 77												.0	.0					4	4		
76/ 75												.0	.0					3	3		
74/ 73											.0	.1						6	6		
72/ 71											.0	.1						5	5		
70/ 69									.0	.0	.1	.0						14	14		
68/ 67									.0	.1	.1	.1						18	18		
66/ 65								.1	.1	.2	.1	.0						36	36		
64/ 63							.0	.0	.3	.2	.2	.0						54	54		
62/ 61						.0	.0	.1	.4	.2	.1							65	65		
60/ 59						.1	.1	.3	.3	.3								81	81		
58/ 57					.0	.0	.2	.3	.3	.2	.0							81	81		
56/ 55					.0	.2	.4	.5	.3	.0								103	103	6	
54/ 53					.1	.4	.6	.5	.2									135	135	11	
52/ 51				.0	.2	.5	.7	.5	.1									147	147	24	
50/ 49			.0	.1	.6	.9	.7	.5	.1									207	207	33	
48/ 47			.1	.3	.8	1.1	.8	.3	.1									249	249	83	
46/ 45		.0	.1	.7	1.0	.8	.7	.1	.0									262	262	127	
44/ 43		.0	.2	1.0	1.1	.9	.5	.0										284	284	182	
42/ 41		.1	.5	1.3	1.3	1.2	.2											345	345	266	14
40/ 39	.0	.2	1.5	1.8	1.5	.6	.0											423	423	345	24
38/ 37	.0	1.1	1.9	2.4	1.2	.3												514	514	402	36
36/ 35		1.8	2.2	2.3	.9	.1												535	535	607	88
34/ 33	.1	1.9	3.0	2.0	.5	.0												563	563	671	229
32/ 31	.2	2.8	3.4	2.0	.3													643	643	735	486
30/ 29	.4	2.3	2.7	1.0	.0													477	477	745	519
28/ 27	.4	2.2	2.2	.4	.0													390	390	703	518
26/ 25	.2	1.7	1.8	.2														282	282	515	702
24/ 23	.1	1.6	1.0	.1														213	213	400	484
22/ 21	.2	2.1	.7	.1														225	225	308	608
20/ 19	.5	2.7	.6	.0														281	281	266	771
18/ 17	.1	1.9	.2	.0														163	163	215	602
16/ 15	.2	1.3	.2															124	124	208	571
14/ 13	.2	1.3	.1															123	123	97	458

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

6-9-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAR (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11	.1	.9	.1															83	83	126	354
10/ 9	.1	.9	.1															73	73	86	272
8/ 7	.1	.9																70	70	71	184
6/ 5		.5																34	34	67	82
4/ 3	.1	.6																51	51	56	87
2/ 1	.1	.3																28	28	36	86
0/ -1	.2	.1																18	18	19	54
-2/ -3	.1	.1																15	15	18	58
-4/ -5	.1																	8	8	10	53
-6/ -7	.0																	1	1	1	56
-8/ -9																					17
-10/-11																					14
-12/-13																					6
-14/-15																					5
-16/-17																					1
TOTAL	3.3	29.1	22.6	15.8	9.6	7.0	4.9	3.2	2.2	1.3	.6	.3	.1	.0					7439		7439
																		7439		7439	

Element (X)	ΣX^1	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	29105341	444237	59.7	18.613	7439							
Dry Bulb	9950531	254519	34.2	12.928	7439	4.2	330.2	5.3	1.6			744
Wet Bulb	6945872	215712	29.0	9.637	7439	4.8	468.3					744
Dew Point	3598321	149111	20.0	9.052	7439	26.4	708.9					744

669-052

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PAGE 1 0000-0200 (HOURS L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
64/ 63				.1			.2											3	3		
62/ 61			.1			.1		.2										4	4		
60/ 59					.2	.2	.2	.2										8	8		
58/ 57			.1	.1	.1	.2	.1	.4	.1									11	11	2	
56/ 55		.2	.1	.1	.6	.3	.6		.1									18	18	1	.
54/ 53	.1	.2	.2	.3	.9	.8	.6	.1										29	29	5	5
52/ 51		.3	.7	.4	.9	.3	.4											28	28	8	3
50/ 49		.4	1.2	.7	1.1	.3	.4											38	38	11	1
48/ 47		.3	1.9	.9	1.6	1.0	.4											55	55	31	7
46/ 45		1.2	.7	1.0	1.3	1.0												47	47	31	13
44/ 43	.3	1.9	1.2	2.4	1.7	.3												71	71	66	24
42/ 41		2.0	2.9	2.7	1.3	.7												86	86	47	16
40/ 39	.2	1.2	3.6	2.4	1.3	.1												80	80	80	52
38/ 37	.7	2.4	3.7	2.4	.9	.1												92	93	87	44
36/ 35	.1	2.4	2.4	1.8	.4													65	65	110	46
34/ 33	.3	2.7	3.4	2.4	.3													83	83	96	61
32/ 31	.6	3.0	3.0	1.2														70	70	82	104
30/ 29	.1	2.4	1.9	.1														41	41	86	99
28/ 27	.1	.8	.4															12	12	63	58
26/ 25		.9	.2															10	10	31	97
24/ 23		.9																8	8	17	37
22/ 21		1.6	.4															18	18	13	67
20/ 19		1.3	.2															14	14	14	61
18/ 17		.1																1	1	8	34
16/ 15		.1																1	1	3	29
14/ 13		.2																2	2	3	17
12/ 11	.1																	1	1	1	12
10/ 9	.1	.1																2	2	2	4
8/ 7	.1																	1	1	1	6
6/ 5																					2
TOTAL	2.9	26.9	28.5	19.2	12.7	5.6	3.0	1.0	.2										900		899
																		899		899	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4271868	60254	67.0	16.123	899							
Dry Bulb	1474065	35537	39.5	8.879	900		18.1					90
Wet Bulb	1154059	31501	35.0	7.481	899		32.4					90
Dew Point	803347	25737	28.6	8.543	899		62.8					90

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59			.1					.1										2	2		
58/ 57				.1		.3	.1	.1										6	6		
56/ 55			.3	.4	.4	.4	.2	.1										18	18	1	
54/ 53		.1	.1	.3	.4	.2	.1											12	12		1
52/ 51		.3	.7	.6	.6	.3	.3											25	25	5	
50/ 49		.4	.7	.4	.8	1.0	.4											34	34	9	4
48/ 47		1.0	.6	1.6	1.0	.7	.1											44	44	21	3
46/ 45		1.2	2.0	1.2	.8	.6												52	52	32	18
44/ 43	.2	1.7	1.4	1.6	1.4	.7												63	63	36	16
42/ 41	.4	1.7	3.1	1.8	1.4	.2												78	78	71	30
40/ 39	.1	1.1	2.9	2.3	1.0	.1												68	68	56	29
38/ 37	.3	2.6	4.2	2.0	.3													85	85	74	38
36/ 35	.6	4.2	3.9	2.4	.7													106	106	112	47
34/ 33	.6	3.3	3.4	2.0	.4													88	88	102	69
32/ 31	.3	2.7	4.3	1.8														82	82	100	101
30/ 29	.3	1.3	1.9	.3														35	35	82	80
28/ 27	.6	1.3	.8															24	24	78	70
26/ 25		1.0	1.1															19	19	36	85
24/ 23		1.6	.6															19	19	25	68
22/ 21		1.2	.2															13	13	25	59
20/ 19	.2	1.3	.1															15	15	13	56
18/ 17		.6																5	5	10	39
16/ 15		.2																2	2	5	34
14/ 13		.2																2	2	4	28
12/ 11																					10
10/ 9																					8
8/ 7	.1																	1	1	1	4
6/ 5	.1	.1																2	2	1	1
4/ 3																				1	
2/ 1																					1
-2/ -3																					1
TOTAL	3.9	29.2	32.4	18.9	9.3	4.6	1.3	.3											900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4474564	62026	68.9	14.911	900							
Dry Bulb	1348972	34010	37.8	8.422	900		21.9					90
Wet Bulb	1079283	30461	33.8	7.331	900		38.1					90
Dew Point	763472	25084	27.9	8.461	900	.1	68.5					90

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — APR MONTH

PAGE 1 — 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB YEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71											.1							1	1		
68/ 67									.1									1	1		
66/ 65						.1	.1	.1	.1									4	4		
64/ 63						.2	.1	.1	.1									5	5		
62/ 61					.1	.3												4	4		
60/ 59				.1	.4	.4	.4	.3	.2									18	18		
58/ 57			.1		.4	.3	1.1		.1									19	19		
56/ 55			.2	.4	.8	1.1	.3											26	26	1	
54/ 53		.3		.8	.6	1.0	.7											30	30	8	
52/ 51			.4	.9	1.0	.6	.6											31	31	20	2
50/ 49		.3	1.1	1.2	1.2	1.4	.7											54	54	15	4
48/ 47		.9	1.7	1.2	1.7	1.1												59	59	35	8
46/ 45		.9	1.2	2.4	1.9	.9	.2											68	68	50	17
44/ 43	.2	.7	1.4	2.4	1.4	.8												63	63	63	28
42/ 41		1.2	3.6	2.2	1.3	.7												81	81	63	31
40/ 39	.2	1.8	3.0	2.3	1.1	.2												78	78	81	33
38/ 37	.3	1.9	4.0	2.2	.6													81	81	108	50
36/ 35	.2	2.3	1.8	2.1	.2													60	60	92	71
34/ 33	.7	3.6	2.4	.6	.2													67	67	91	77
32/ 31		2.7	2.0	.8														49	49	80	105
30/ 29	.1	1.6	.9	.1														24	24	65	105
28/ 27	.1	1.1	.7															17	17	41	66
26/ 25		1.6	.8															21	21	23	76
24/ 23		.4	.2															6	6	22	41
22/ 21	.2	1.2	.1															14	14	17	49
20/ 19	.1	1.0																10	10	10	58
18/ 17		.3																3	3	8	18
16/ 15		.1																1	1	1	25
14/ 13		.2																2	2	3	20
12/ 11																					7
10/ 9	.1																	1	1	1	6
8/ 7		.1																1	1		1
6/ 5		.1																1	1	2	
4/ 3																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	2.3	24.3	25.7	19.9	13.0	9.2	4.2	.6	.7		.1							900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4120626	59128	65.7	16.204	900							
Dry Bulb	1601857	36971	41.1	9.616	900		15.0	.2				90
Wet Bulb	1232259	32573	36.2	7.705	900		27.3					90
Dew Point	889045	26625	29.6	8.268	900	.2	57.9					90

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83														.1	.2			3	3		
80/ 79													.1		.1			2	2		
78/ 77											.1	.2						3	3		
76/ 75										.1		.1						2	2		
74/ 73									.1		.7							7	7		
72/ 71								.1	.2	.2	.1	.1	.1					8	8		
70/ 69							.3	.3	.2	.3	.3	.2						16	16		
68/ 67							.4	.2	.6	.2	.2							15	15		
66/ 65						.2	.6	.3	.6	.6	.3							23	23		
64/ 63					.1	.6	.3	.7	.9	.2								25	25		
62/ 61						.6	.7	1.3	1.1	.2								35	35		
60/ 59					.6	.4	1.7	.9	.7	.2								40	40	1	
58/ 57		.1	.1	.4	.6	.4	1.9	.8	.7	.1								46	46	14	
56/ 55		.2	.3	.3	.6	1.3	2.2	1.4	.3									61	61	17	
54/ 53			.3	.6	.9	1.6	1.4	.7	.4									53	53	24	2
52/ 51		.6		1.2	1.8	1.4	1.3	.8	.1									65	65	41	4
50/ 49		.2	.6	1.3	1.3	1.6	1.4	.7										64	64	43	7
48/ 47		.4	1.2	1.1	1.7	1.1	1.4	.1										64	64	67	15
46/ 45		.2	.4	2.2	1.4	.9	.7											53	53	80	33
44/ 43		.8	.4	1.9	.7	1.0	.2											45	45	94	20
42/ 41	.1	1.0	1.4	2.1	.3	.3												48	48	79	29
40/ 39		1.8	2.0	1.3	.6	.3												54	54	92	33
38/ 37		1.0	1.2	.9	.1													29	29	84	61
36/ 35	.1	1.1	1.2	.7	.1													29	29	79	89
34/ 33	.6	1.7	1.0	.1														30	30	58	76
32/ 31	.1	1.0	1.1	.1														21	21	34	126
30/ 29		.9	.4	.4														16	16	24	73
28/ 27		.3	1.1	.1														14	14	18	48
26/ 25		.9	.4															12	12	14	69
24/ 23		.6																5	5	22	42
22/ 21		.2																2	2	4	49
20/ 19		.2																2	2	2	45
18/ 17		.3																3	3	1	31
16/ 15		.4																4	4	4	22

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC
665-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

PAGE 2 0900-1100 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
14/ 13		.1																1	1	4	9
12/ 11																					10
10/ 9																					5
8/ 7																					1
6/ 5																					1
TOTAL	.9	14.1	13.4	14.9	10.7	11.8	14.7	8.3	5.9	2.2	1.8	.7	.2	.1	.3			900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2927173	48151	53.5	19.761	900							
Dry Bulb	2261549	43849	48.7	11.800	900		8.0	5.6	1.7	.5		90
Wet Bulb	1537301	36477	40.5	8.093	900		12.7					90
Dew Point	907048	27522	30.6	8.531	900		53.1					90

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FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85															.1	.3		4	4		
84/ 83															.2			2	2		
82/ 81												.1	.1		.3			5	5		
80/ 79											.2	.3	.4					9	9		
78/ 77										.1	.6	.3	.1					10	10		
76/ 75										.3	.2	.7	.7	.1				18	18		
74/ 73								.2	.3	.1	.2	.7	.6	.3				22	22		
72/ 71							.2	.1	.1	.2	.6	.2	.1					14	14		
70/ 69							.2	.2	.2	1.3	.6	.3	.2					28	28		
68/ 67					.1	.1		.8	.4	1.1	1.1	.1						34	34		
66/ 65							.6	.6	1.1	1.1	.3							33	33		
64/ 63			.1			.4	.6	1.7	1.6	1.0	.1							49	49		
62/ 61						.9	.4	2.0	1.3	.4	.1							47	47	1	
60/ 59		.1		.1	.4	.7	.7	2.4	1.2	.2	.1							54	54	12	
58/ 57			.1	.3	.7	1.0	.6	1.4	1.1	.1								48	48	26	3
56/ 55					.3	1.1	1.0	.9	.9	.2								40	40	13	
54/ 53			.3	.2	1.4	1.6	.3	1.3	.3									50	50	41	
52/ 51		.2	.2	.8	1.2	.7	1.3	1.4										53	53	70	2
50/ 49		.3	.2	.4	1.7	1.0	1.3	.4										49	49	67	8
48/ 47		.6	.6	1.1	1.2	.8	1.4	.2										53	53	92	11
46/ 45		.2	.9	1.6	1.2	.6	.7											46	46	80	27
44/ 43		.6	.8	2.8	1.4	.2												52	52	68	26
42/ 41	.1	.6	1.2	1.1	.7	.3												36	36	72	34
40/ 39		.7	.9	1.0	.4	.3												30	30	92	41
38/ 37		.7	.3	.9	.1													18	18	78	50
36/ 35	.2	1.1	.3	.1														16	16	57	74
34/ 33	.1	.7	.4	.6	.2													18	18	39	101
32/ 31	.2	.6	.9	.9														23	23	20	110
30/ 29		.1	.7	.2														9	9	14	66
28/ 27		.9	.7	.1														15	15	15	62
26/ 25		.2	.2															4	4	25	57
24/ 23		.4																4	4	9	33
22/ 21																				2	63
20/ 19		.2																2	2		54

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.-W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
18/ 17		.3																3	3	2	37
16/ 15		.1																1	1	4	21
14/ 13																					3
12/ 11																					10
10/ 9																					6
TOTAL	.7	8.6	8.9	12.2	11.2	9.7	9.3	13.8	8.7	6.3	4.1	2.8	2.2	.4	.7	.3			899		899
																		899		899	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2273380	41514	46.2	19.920	899							
Dry Bulb	2708824	47932	53.3	13.063	899		6.1	14.6	7.0	1.7		90
Wet Bulb	1702042	38408	42.7	8.251	899		9.1					90
Dew Point	901248	27422	30.5	8.495	899		52.3					90

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85															.1	.2		3	3		
84/ 83															.1			1	1		
82/ 81											.1	.1	.3	.1	.3			9	9		
80/ 79											.2	.4	.2					8	8		
78/ 77										.1	.8	.4	.1					13	13		
76/ 75									.1	.3	.2	.4	.4	.1				15	15		
74/ 73						.1			.3	.1	.4	1.0	.7	.2				26	26		
72/ 71						.1		.4		.7	.4	.6	.6					25	25		
70/ 69					.1			.3	.6	.6	1.1	.2						26	26		
68/ 67							.1	.4	.7	1.4	1.2	.9						43	43		
66/ 65						.2	.2	.4	1.9	1.0	.8							41	41		
64/ 63						.2	.3	1.2	2.0	.7								40	40	2	
62/ 61					.2	.4	.9	1.3	1.0	.8								42	42	3	
60/ 59			.1			.8	.6	1.7	1.2	.2	.2							43	43	16	
58/ 57				.2	.7	.8	.4	1.3	1.6	.2								47	47	19	3
56/ 55			.1	.3	.2	.7	.6	1.4	.9									38	38	16	
54/ 53		.1	.9	.2	.8	1.6	1.0	1.2	.1									53	53	37	1
52/ 51			.2	.7	.8	1.2	1.1	1.9										53	53	61	
50/ 49		.2	.8	.6	1.2	.9	.8	.7										46	46	98	8
48/ 47		.3	.7	1.4	1.6	1.4	1.1											59	59	74	15
46/ 45		.9	.3	1.3	2.0	.4	.3											48	48	72	22
44/ 43		.3	.7	1.6	1.0	.9												40	40	79	27
42/ 41		1.4	1.2	1.1	.9	.6												47	47	85	35
40/ 39		.2	.7	1.2	.2													21	21	82	51
38/ 37		1.3	.9		.2													22	22	74	39
36/ 35	.3	.8	.6	.1	.1													17	17	68	72
34/ 33		.7	.7	.4	.2													18	18	28	94
32/ 31	.3	.4	.9	1.2														26	26	18	93
30/ 29		.1	.9	.2														11	11	13	82
28/ 27		.3	.8															10	10	16	79
26/ 25																				26	63
24/ 23		.2																2	2	6	19
22/ 21		.1																1	1	1	62
20/ 19		.1																1	1		61

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
18/ 17	.1	.2																3	3	4	43
16/ 15																				2	14
14/ 13																					6
12/ 11																					6
10/ 9																					5
TOTAL	.8	8.1	10.3	10.7	10.2	10.3	7.4	12.4	10.3	6.1	5.6	4.1	2.3	.4	.6	.2			900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2253251	41085	45.7	20.498	900							
Dry Bulb	2758578	48402	53.8	13.153	900		5.6	16.9	7.5	1.7		90
Wet Bulb	1719298	38642	42.9	8.182	900		8.6					90
Dew Point	899403	27423	30.5	8.426	900		53.3					90

669-052

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77										.1	.1							2	2		
76/ 75									.1			.4						5	5		
74/ 73					.1				.2			.1		.1				5	5		
72/ 71							.1	.2	.2	.3	.3							11	11		
70/ 69							.2			.1	.1	.2						6	6		
68/ 67					.1	.1	.3	.3	.2	.8	.3		.1					21	21		
66/ 65						.3		.2	.9	.3	.1	.1						18	18	1	
64/ 63					.1	.2	.3	.3	.7	.4	.4							23	23		
62/ 61			.1	.1	.3	.3	.4	1.4	1.0	.2								36	36	1	1
60/ 59					.2	.3	1.4	.9	.4	.2								32	32	4	
58/ 57				.3	.2	1.1	.9	1.8	.4									43	43	10	1
56/ 55				.2	.7	1.8	1.8	1.4	.6	.1								59	59	10	1
54/ 53			.1	.7	.2	1.1	1.7	.4										38	38	16	
52/ 51		.1	.7	.7	1.7	1.3	1.7	.6										60	60	22	2
50/ 49		.6	.9	.7	1.6	1.0	1.1	.2										54	54	46	8
48/ 47		.2	1.1	1.2	1.0	1.2	1.0	.1										57	53	70	16
46/ 45		2.2	.4	1.7	1.4	1.3	.8											71	71	76	20
44/ 43		.4	2.6	1.9	1.7	.7												65	65	93	25
42/ 41		1.0	2.2	1.8	1.0	.9												62	62	86	37
40/ 39		1.1	1.6	1.6	1.3													50	50	91	26
38/ 37		1.1	1.9	1.2	.7													44	44	83	51
36/ 35	.3	1.2	1.3	.7	.1													33	33	87	79
34/ 33	.1	1.4	1.3	.4	.2													32	32	62	97
32/ 31	.3	1.6	1.0	.1														27	27	44	97
30/ 29		.1	1.2	.4														16	16	33	72
28/ 27		.3	.8															10	10	16	70
26/ 25		.8	.7															13	13	19	79
24/ 23																				14	30
22/ 21		.4																4	4	9	64
20/ 19		.2																2	2		49
18/ 17		.1																1	1	2	43
16/ 15		.1																1	1	2	8
14/ 13		.1																1	1	1	13
12/ 11	.1																	1	1	1	3

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
10/ 9																				5
8/ 7																				2
TOTAL	.9	13.2	17.9	13.7	12.7	11.8	11.8	8.0	4.8	2.7	1.4	.9	.1	.1				899		899	
																	899		899		899

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3024961	49067	54.6	19.655	899							
Dry Bulb	2167114	42966	47.8	11.249	899		7.6	5.0	1.2			90
Wet Bulb	1490210	35928	40.0	7.781	899		14.1					90
Dew Point	889632	27254	30.3	8.403	899		53.6					90

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — APR MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27	29 - 30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Pt.
70/ 69							.1	.1										2	2			
68/ 67								.1	.1	.1								3	3			
66/ 65					.2													2	2			
64/ 63							.1	.1	.1									1	3			
62/ 61					.1	.4	.1	.2	.3									11	11			
60/ 59				.3	.1	.1	.4	.3	.3									15	15			
58/ 57		.2	.3	.3		.6	.6	.2										20	20	4		
56/ 55		.1	.3	.2	.8	1.0	1.1	.4	.3									29	29	4	1	
54/ 53			.3	.2	.6	1.6	.9	.3										35	35	10	2	
52/ 51		.1	.6	.8	1.3	1.4	1.1	.3										51	51	12	6	
50/ 49		.4	1.7	.8	1.1	1.2	.8											54	54	13	3	
48/ 47		.6	1.4	1.0	1.9	1.6	.3											61	61	42	12	
46/ 45	.3	1.4	.9	1.2	1.8	1.8	.3											70	70	62	19	
44/ 43		1.9	1.8	2.0	1.4	.4												68	68	69	21	
42/ 41		1.4	3.1	1.7	1.2	.8												74	74	70	34	
40/ 39	.1	1.4	4.9	1.8	1.4	.2												89	89	95	41	
38/ 37	.2	1.4	2.7	1.8	.8	.1												63	63	97	42	
36/ 35	.2	1.6	2.4	1.8	.3													57	57	115	64	
34/ 33	.6	2.9	1.2	.9	.1													51	51	61	81	
32/ 31	.6	2.6	2.6	1.0														60	60	86	107	
30/ 29	.2	1.1	1.3															24	24	51	85	
28/ 27		.2	.2	.1														5	5	50	68	
26/ 25		1.0	.3	.2														14	14	16	92	
24/ 23		.6	.7															11	11	10	27	
22/ 21		.4	.1															5	5	16	59	
20/ 19	.2	.8																9	9	7	47	
18/ 17																				6	42	
16/ 15		.1																1	1	1	13	
14/ 13	.2																	2	2	2	21	
12/ 11	.1																	1	1	1	5	
10/ 9																					6	
8/ 7																					2	
TOTAL	2.8	20.3	26.9	16.1	13.2	11.2	5.9	2.2	1.2	.1								900		900		900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3898113	57119	63.5	17.427	900							
Dry Bulb	1695345	38145	42.4	9.352	900		13.2	.5				90
Wet Bulb	1283341	33323	37.0	7.423	900		24.6					90
Dew Point	861750	26798	29.8	8.426	900		57.4					90

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) APR (MONTH)

 ALL (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85															.0	.1		7	7		
84/ 83														.0	.1			6	6		
82/ 81											.0	.0	.1	.0	.1			14	14		
80/ 79											.1	.1	.1		.0			19	19		
78/ 77										.0	.2	.1	.0					28	28		
76/ 75									.0	.1	.1	.2	.1	.0				40	40		
74/ 73					.0	.0		.0	.1	.0	.2	.2	.2	.1				60	60		
72/ 71						.0	.0	.1	.1	.2	.2	.1	.1					59	59		
70/ 69					.0		.1	.1	.1	.3	.3	.1	.0					78	78		
68/ 67					.0	.0	.1	.2	.3	.5	.4	.1	.0					117	117		
66/ 65					.0	.1	.2	.2	.6	.4	.2	.0						121	121	1	
64/ 63			.0	.0	.0	.2	.3	.5	.7	.3	.1							148	148	2	
62/ 61			.0	.0	.1	.4	.3	.8	.6	.2	.0							179	179	5	1
60/ 59		.0	.0	.1	.3	.4	.7	.9	.5	.1	.0							212	212	33	
58/ 57		.0	.1	.2	.3	.6	.7	.8	.5	.1								240	240	75	7
56/ 55		.1	.2	.3	.5	1.0	1.0	.7	.4	.0								299	299	63	2
54/ 53	.0	.1	.3	.4	.7	1.2	.8	.5	.1									300	300	141	11
52/ 51		.2	.4	.8	1.2	.9	1.0	.6	.0									366	366	239	19
50/ 49		.4	.9	.8	1.3	1.1	.9	.3										393	393	302	43
48/ 47		.5	1.1	1.2	1.4	1.1	.7	.1										448	448	432	87
46/ 45	.0	1.0	.9	1.6	1.5	.9	.4											455	455	483	169
44/ 43	.1	1.0	1.3	2.1	1.3	.6	.0											467	467	568	187
42/ 41	.1	1.3	2.3	1.8	1.0	.6												512	512	573	246
40/ 39	.1	1.2	2.4	1.8	.9	.2												470	470	669	306
38/ 37	.2	1.6	2.4	1.4	.5	.0												434	435	685	375
36/ 35	.3	1.8	1.8	1.2	.3													383	383	720	542
34/ 33	.4	2.1	1.8	.9	.2													387	387	537	656
32/ 31	.3	1.8	2.0	.9														358	358	464	843
30/ 29	.1	1.0	1.2	.2														176	176	368	662
28/ 27	.1	.7	.7	.0														107	107	297	521
26/ 25		.8	.5	.0														93	93	190	618
24/ 23		.6	.2															55	55	125	297
22/ 21	.0	.7	.1															57	57	87	472
20/ 19	.1	.7	.0															57	57	46	431

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

663-052

FORM 0-26-3 (OL A) (JN 71) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72662S — STATION — ELLSWORTH AFB SD — STATION NAME — 73-82 — YEARS — APR — MONTH

 — ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
18/ 17	.0	.3																19	19	41	287
16/ 15		.2																11	11	22	166
14/ 13	.0	.1																10	10	17	117
12/ 11	.0																	3	3	3	63
10/ 9	.0	.0																3	3	3	45
8/ 7	.0	.0																3	3	2	16
6/ 5	.0	.0																3	3	3	4
4/ 3																				1	
2/ 1																					1
0/ -1																					2
-2/ -3																					1
TOTAL	1.9	18.1	20.5	15.7	11.6	9.3	7.2	5.8	4.0	2.2	1.6	1.1	.6	.1	.2	.1			7198		7197
																		7197		7197	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	27241926	418344	58.1	20.167	7197							
Dry Bulb	16016304	327812	45.5	12.290	7198		95.5	42.8	17.4	3.9		720
Wet Bulb	11197793	277313	38.5	8.439	7197		167.0					720
Dew Point	6973945	211865	29.7	8.491	7197	.3	454.8					720

669-052

FORM 0-26-3 OL A (JUN 71) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PAGE 1 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69					.1	.1			.1									3	3		
68/ 67					.1	.1	.1	.2										8	8		
66/ 65				.4	.2	.1	.1	.2										10	10		
64/ 63				.1	1.0	.3	.3											16	16		
62/ 61		.1	.2	.3	.9	.6	.3											23	23	3	
60/ 59		.1	.3	1.5	1.4	.5	1.2											47	47	8	1
58/ 57		.5	1.3	1.1	1.1	.8	.4											48	48	9	1
56/ 55		.9	1.3	1.2	1.2	.9	.3	.1										54	54	33	15
54/ 53		1.3	.5	2.0	1.2	1.2	.5											63	63	52	12
52/ 51	.1	2.3	2.4	2.6	1.5	.2	.4											88	88	63	36
50/ 49	.1	3.0	4.1	1.7	1.1	.4												97	97	56	49
48/ 47	.3	4.0	4.1	2.7	1.0	.6												118	118	116	51
46/ 45	.1	2.3	2.0	2.7	1.9	.3												87	87	117	85
44/ 43		2.2	2.7	3.1	.3	.1												78	78	97	82
42/ 41		1.4	2.8	1.7	.6		.1											62	62	81	66
40/ 39	.1	1.4	2.6	1.3	.3	.1												54	54	84	99
38/ 37	.1	.6	1.2	.6	.2													26	26	80	70
36/ 35	.1	.2	1.2	.8	.5													26	26	46	81
34/ 33		.3	.1	.3														7	7	32	64
32/ 31		.5	.3	.2														10	10	21	56
30/ 29		.1	.2															3	3	16	43
28/ 27		.2																2	2	12	41
26/ 25																				4	23
24/ 23																					14
22/ 21																					18
20/ 19																					11
18/ 17																					3
16/ 15																					4
14/ 13																					4
12/ 11																					1
TOTAL	1.0	21.4	27.3	24.4	14.9	6.5	3.9	.5	.1									930	930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4678533	64481	69.3	14.955	930							
Dry Bulb	2264454	45344	48.8	7.597	930		1.5	1.1				93
Wet Bulb	1834720	40812	43.9	6.861	930		5.3					93
Dew Point	1450878	35870	38.6	8.616	930		21.8					93

665-052

USAFETAC FORM 0-26-3 OL A. JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PAGE 1 0300-0500 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67					.1													1	1		
66/ 65				.3	.2													5	5		
64/ 63			.1	.1	.1	.1												4	4		
62/ 61				.4	.3	.2												9	9		
60/ 59			.3	.5	1.1	.5	.1											24	24	6	
58/ 57		.4	1.8	1.2	1.0	.4												45	45	2	
56/ 55		1.5	1.5	1.1	.8	.8	.1	.2										55	55	15	9
54/ 53	.2	1.4	.8	1.7	1.7	.2	.1	.2										59	59	47	14
52/ 51	.6	1.1	2.0	2.3	1.0	.5	.1											71	71	54	29
50/ 49	.3	3.3	2.2	3.4	.5	.4	.1											96	96	50	48
48/ 47	.3	5.2	4.2	3.4	1.6	.3												140	140	98	47
46/ 45		3.4	3.2	2.6	.9	.3												97	97	123	72
44/ 43		1.8	1.5	3.3	.2													64	64	105	86
42/ 41		2.8	3.2	2.4	.4	.1												83	83	91	72
40/ 39		1.1	3.4	1.0	.8													58	58	78	85
38/ 37		.9	2.5	1.6	.1	.1												48	48	83	88
36/ 35	.3	.2	1.3	.8	.2													26	26	61	56
34/ 33		.3	.9	.8	.1													19	19	39	66
32/ 31		.9	.8		.1													16	16	32	71
30/ 29			.4															4	4	21	46
28/ 27			.1															1	1	13	40
26/ 25		.2																2	2	6	31
24/ 23		.3																3	3	3	16
22/ 21																				3	19
20/ 19																					17
18/ 17																					10
16/ 15																					3
14/ 13																					3
12/ 11																					2
TOTAL	1.8	24.8	30.2	26.9	11.2	4.1	.5	.4											930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4979446	66760	71.8	14.191	930							
Dry Bulb	2087275	43551	46.8	7.175	930		2.6	.1				93
Wet Bulb	1731380	39614	42.6	6.882	930		7.8					93
Dew Point	1393645	35089	37.7	8.668	930		25.8					93

669-052

FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B.- W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
80/ 79										.1								1	1		
78/ 77									.4	.2								6	6		
76/ 75							.2		.3		.1							6	6		
74/ 73					.1	.1	.1	.2		.1	.1							7	7		
72/ 71					.4	.4	.2	.5	.2	.1								18	18		
70/ 69				.1	1.3	.4	.9	.3	.1									29	29		
68/ 67				.3	1.5	.5	1.0	.4			.1							36	36		
66/ 65			.2	.5	.5	1.3	.6	.4	.2	.1								37	37	3	
64/ 63		.4	.5	1.4	1.6	1.5	1.1	.2	.1									64	64	10	
62/ 61		.8	1.4	.9	2.0	1.7	.5	.1	.1									70	70	36	3
60/ 59		.6	1.0	1.2	2.2	1.4	1.4	.2										74	74	51	13
58/ 57		.8	2.4	2.2	1.7	1.3	.9		.1									86	86	55	25
56/ 55	.6	1.5	2.2	3.0	2.3	1.2	.3											103	103	80	49
54/ 53	.1	1.9	3.7	1.6	2.5	1.6	.1	.1										108	108	97	42
52/ 51	.3	2.7	1.9	1.5	1.3	.6		.1										79	79	121	51
50/ 49		2.5	1.2	1.6	1.0	.1	.1											60	60	118	94
48/ 47		2.0	1.3	1.0	.3	.2												45	45	103	85
46/ 45		1.3	1.4	.6	.5	.2												38	38	92	105
44/ 43		.9	.9	.9	.2	.1												27	27	59	87
42/ 41		.2	.4	.2														8	8	33	74
40/ 39	.1	.2	.1	.6	.1													11	11	25	62
38/ 37	.2	.2	.2															6	6	20	64
36/ 35		.4	.4	.1														9	9	7	45
34/ 33		.1																1	1	13	45
32/ 31			.1															1	1	6	25
30/ 29																				1	19
28/ 27																					9
26/ 25																					11
24/ 23																					14
22/ 21																					1
20/ 19																					4
18/ 17																					3
16/ 15																					
14/ 13																					
TOTAL	1.4	16.6	19.2	17.7	19.6	12.8	7.4	2.7	1.6	.6	.3							930	930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4139378	50929	64.4	17.285	930							
Dry Bulb	2605371	48649	52.3	8.070	930		1.1	3.8	.7			93
Wet Bulb	2016240	42876	46.1	6.522	930		2.7					93
Dew Point	1527197	36899	39.7	8.260	930		17.6					93

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
84/ 83											.1		.2					3	3		
82/ 81											.2	.1						3	3		
80/ 79								.1	.1	.6	.2	.1						11	11		
78/ 77								.1	.5	.8	.4	.1						18	18		
76/ 75							.1	.3	.5	.8	.3	.1						20	20		
74/ 73					.1	.2	.4	.8	.9	1.1	.4	.2	.1					39	39		
72/ 71					.1	1.0	.6	.4	1.1	.4	.2		.1					37	37		
70/ 69				.1		.9	.9	1.2	.9	.9	.1							45	45		
68/ 67				.1	.5	.9	1.4	1.9	.5	.3	.3	.2						58	58		
66/ 65			.1		.2	1.5	1.8	1.0	.9	.9	.2							61	61	3	
64/ 63				.4	1.5	1.2	.9	1.8	.9	.1								63	63	9	
62/ 61		.3		1.1	1.0	1.1	1.4	2.0	.6									70	70	42	2
60/ 59		.2	.5	1.3	.6	1.1	1.3	1.8	.2									66	66	42	6
58/ 57		.3	.8	1.2	1.0	2.4	1.2	1.6										78	78	68	8
56/ 55		.5	.5	1.5	2.0	1.6	1.9	.4										80	80	79	20
54/ 53		.4	.8	1.2	.8	1.1	.9	.8										54	54	102	31
52/ 51	.2	.3	.6	.9	1.2	1.1	.5	.1	.1									47	47	85	44
50/ 49		.3	1.8	.6	.9	.2	.2	.2										40	40	83	62
48/ 47	.3	2.2	1.7	.6	.5	.4	.3											57	57	119	73
46/ 45		1.3	1.3	.9	.2	.3												37	37	95	73
44/ 43		.5		.2	.1													8	8	79	92
42/ 41		.3	.3	.2	.1	.2												11	11	50	88
40/ 39		.1	.1	.2	.1													5	5	26	77
38/ 37		.3	.1	.1	.1													6	6	17	74
36/ 35	.3	.1	.1	.1	.1													7	7	13	54
34/ 33																				5	54
32/ 31		.3	.3															6	6	5	48
30/ 29																				5	37
28/ 27																				3	24
26/ 25																					25
24/ 23																					6
22/ 21																					17
20/ 19																					8
18/ 17																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 OL A, JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
16/ 15																					1
14/ 13																					2
12/ 11																					1
TOTAL	.9	7.6	9.1	10.8	11.2	15.1	13.9	14.6	7.2	5.8	2.6	.9	.4						930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2899514	48948	52.6	18.654	930							
Dry Bulb	3384942	55370	59.5	9.752	930		.6	23.4	9.4	1.1		93
Wet Bulb	2344969	46263	49.7	6.851	930		1.3					93
Dew Point	1598166	37698	40.5	8.708	930		17.2					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
90/ 89																	.1	1	1		
88/ 87											.1		.1	.1	.1		.1	5	5		
86/ 85										.1		.1	.5	.4				11	11		
84/ 83										.2	.1	.2	.4	.1				10	10		
82/ 81									.3	.1	.9	.8	.2	.2				23	23		
80/ 79							.1		.5	1.5		.4	.6	.2				32	32		
78/ 77							.1	.4	.6	.8	.8	.8		.2				34	34		
76/ 75							.3	1.2	.3	1.0	1.3	.1	.3	.1				43	43		
74/ 73						.1	.2	1.0	1.1	.9	1.1			.1				41	41		
72/ 71						.3	.4	.8	2.0	.9	.1		.1					43	43		
70/ 69				.2		.3	.9	1.2	1.2	1.1	1.0	.3						57	57		
68/ 67					.5	.6	.8	1.2	2.2	.6	.5							60	60	4	
66/ 65			.3	.1	.6	1.1	1.4	1.8	1.4	.9								71	71	5	
64/ 63			.1	.3	.8	.6	1.6	1.6	1.1	.2								59	59	32	
62/ 61		.1	.1	.8	.3	1.4	1.2	1.0	1.8	.3								65	65	53	4
60/ 59			.2	.5	1.4	1.5	1.2	1.5	1.-									68	68	55	4
58/ 57			.6	1.6	.9	.6	1.2	1.0	.1									56	56	81	8
56/ 55		.1	.5	.3	.9	.4	1.0	.4	.2									36	36	82	17
54/ 53		.2	1.3	.6	1.0	.4	.8	.1	.3									44	44	93	33
52/ 51	.1	.4	1.3	1.0	.8	1.2	.9											52	52	114	44
50/ 49		.9	1.0	.9	.6	.5	.1											37	37	88	60
48/ 47	.2	1.0	1.3		.1	.3	.1											28	28	90	66
46/ 45		.6	1.3	.5		.4												27	27	83	94
44/ 43		.4	.5	.2		.1												12	12	58	87
42/ 41					.1													1	1	42	80
40/ 39		.1			.2													3	3	26	74
38/ 37	.1	.3																4	4	6	80
36/ 35	.1		.1															2	2	8	54
34/ 33			.1															1	1	4	44
32/ 31		.1	.3															4	4	1	60
30/ 29																				3	34
28/ 27																				2	27
26/ 25																					26
24/ 23																					10

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
22/ 21																					11
20/ 19																					7
18/ 17																					3
16/ 15																					2
14/ 13																					1
TOTAL	.5	4.3	9.1	7.1	8.2	10.1	12.2	13.1	14.2	8.5	5.8	2.7	2.4	1.5	.1		.2		930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum	2376056	43652	46.9	18.765	930							
Dry Bulb	3835079	58871	63.3	10.803	930		.4	36.0	20.0	6.5		93
Wet Bulb	2497263	47749	51.4	6.853	930		.6	.8				93
Dew Point	1598509	37721	40.6	8.595	930		18.1					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87											.2			.1	.2	.1		6	6		
86/ 85										.1		.3	.1	.2	.1	.1		9	9		
84/ 83											.5	.2	.6	.1				14	14		
82/ 81									.1	.4	.9	.4	.2	.4				23	23		
80/ 79									.4	1.2	.6	.6	1.1	.1				38	38		
78/ 77							.1	.4	.8	.8	.6	1.0	.2	.1				37	37		
76/ 75							.2	.1	.8	1.3	1.1	.8	.1	.3				43	43		
74/ 73						.2	.5	.6	1.1	1.1	.6	.1	.3					43	43		
72/ 71					.1	.5	.9	.6	1.1	1.1	.9							48	48		
70/ 69					.2	.3	.3	1.6	1.0	1.3	.9							52	52		
68/ 67				.1	.6	.3	.8	.9	2.3	1.4	.6							65	65	3	
66/ 65			.2	.2	.3	.5	1.1	2.2	1.8	.4	.3							62	62	7	
64/ 63		.1	.3	.6	.3	.8	1.2	1.2	1.4	.8	.1							63	63	32	
62/ 61			.1	.4	.8	1.0	.9	1.3	1.6	.1								57	57	44	1
60/ 59			.3	.3	1.4	.9	.8	1.0	.5									48	48	68	3
58/ 57		.1	.4	.9	1.3	1.7	.5	.6	.6									58	58	73	15
56/ 55		.3	1.0	.6	.9	1.2	1.1	.4	.2									53	53	82	18
54/ 53			1.5	1.8	.9	.9	1.1	.3	.2									62	62	90	37
52/ 51	.3	.1	1.3	.8	.6	.3	.8	.1	.1									41	41	115	35
50/ 49		.8	1.5	.4	.4	.1	.2											32	32	107	38
48/ 47	.2	.4	1.3	.9	.3		.4											33	33	103	80
46/ 45		.6	1.5			.1	.2											23	23	69	81
44/ 43		.2	.3															5	5	57	90
42/ 41			.1		.3													4	4	42	87
40/ 39		.3	.2	.2														7	7	13	70
38/ 37				.1														1	1	9	87
36/ 35																				6	66
34/ 33			.1															1	1	7	50
32/ 31		.1	.1															2	2		55
30/ 29																				3	31
28/ 27																					28
26/ 25																					19
24/ 23																					12
22/ 21																					6

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
20/ 19																				11
18/ 17																				5
16/ 15																				4
14/ 13																				1
TOTAL	.5	3.1	10.3	7.4	8.5	8.8	11.0	11.4	13.5	9.9	7.4	3.4	2.7	1.4	.3	.2		930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2332706	42994	46.2	19.273	930							
Dry Bulb	3875984	59204	63.7	10.738	930		.2	37.8	21.3	6.6		93
Wet Bulb	2502175	47843	51.4	6.638	930		.3	.3				93
Dew Point	1581885	37511	40.3	8.612	930		17.2					93

669-052

USAFETAC FORM 0-26-3 (OL A, JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83													.1					1	1		
82/ 81									.1			.1	.1	.1				4	4		
80/ 79									.1	.2								3	3		
78/ 77							.1	.4	.4	.4	.2	.2	.1					18	18		
76/ 75							.1	.1	.4	.5	.1	.2						14	14		
74/ 73						.1	.4	.5	.8	.4	.6			.1				28	28		
72/ 71					.1	.2	.6	.5	.6	.2	.2		.1					25	25		
70/ 69				.1	.3	.5	.9	1.0	.5	.2	.1							34	34		
68/ 67					.4	.3	1.3	1.0	1.1	.3		.1						42	42		
66/ 65				.4	1.0	1.2	1.3	1.2	1.0	.4								60	60	2	
64/ 63		.1	.2	.8	.4	.8	1.2	1.3	.6	.3								53	53	10	
62/ 61		.2	.2	1.5	.9	1.2	1.1	1.2	.6	.1								65	65	23	
60/ 59		.5	.5	.5	1.5	1.6	1.2	1.2	.2	.2								70	70	44	5
58/ 57		.2	1.1	1.0	1.2	2.3	1.3	.9										73	73	53	12
56/ 55	.1	.6	.9	1.6	1.3	1.8	.8	.6	.1									73	73	79	23
54/ 53		.3	2.2	1.2	1.4	1.2	.8	.3	.1									69	69	76	37
52/ 51	.1	.8	2.0	1.6	1.3	1.2	.6	.2										73	73	86	39
50/ 49	.1	1.6	1.9	1.3	1.1	.6	.3	.2										67	67	107	41
48/ 47	.1	1.6	2.9	1.2	.4	.2	.3											63	63	116	85
46/ 45		1.6	.9	.6	.4	.5	.2											40	40	105	87
44/ 43		1.1	.5	.4	.3	.3												25	25	86	84
42/ 41		.2	.3	.3	.2	.2												12	12	57	92
40/ 39		.2	.3	.1	.1	.1												8	8	29	87
38/ 37	.1	.2		.1														4	4	27	66
36/ 35			.2															2	2	12	70
34/ 33			.2															2	2	11	48
32/ 31		.1	.1															2	2	3	45
30/ 29																				4	22
28/ 27																					24
26/ 25																					19
24/ 23																					9
22/ 21																					9
20/ 19																					11
18/ 17																					9

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
16/ 15																					6
TOTAL	.5	9.5	14.5	12.8	12.4	14.4	12.5	10.6	6.8	3.4	1.7	.6	.4	.2				930	930	930	930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3277073	52303	56.2	19.096	930							
Dry Bulb	3180885	53695	57.7	9.321	930		.2	16.9	6.8	.6		93
Wet Bulb	2275764	45386	48.8	6.665	930		.7					93
Dew Point	1607878	37818	40.7	8.702	930		15.8					93

669-052

USAFETAC FORM 0-26-3 (OL A) (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
74/ 73							.1											1	1		
72/ 71						.2	.1											3	3		
70/ 69					.1	.4	.1	.2	.2	.1								11	11		
68/ 67			.2		.4	.2	.1	.6	.1	.1								17	17		
66/ 65			.1	.2	.3	1.0	.5		.3									23	23		
64/ 63			.1	.4	.5	.4	1.0	.4	.1									28	28	2	
62/ 61		.2	.2	1.3	1.5	1.0	.6	.4	.1									50	50	6	1
60/ 59		.3	.6	1.8	1.2	1.3	1.0	.2	.3									63	63	15	2
58/ 57		.5	1.1	2.0	1.6	.8	.8	.3										66	66	19	6
56/ 55		.5	1.4	1.0	1.2	1.3	.8	.1										58	58	48	15
54/ 53		1.3	1.0	1.7	1.9	1.4	.2											70	70	70	18
52/ 51	.2	1.0	4.2	2.0	2.0	1.0	.2		.1									100	100	78	40
50/ 49	.2	3.0	3.6	1.9	1.2	1.6	.2											109	109	79	58
48/ 47	.1	1.8	3.8	3.3	1.0	.5		.1										99	99	115	66
46/ 45	.3	1.7	2.8	1.7	1.1	.3	.1											75	75	122	88
44/ 43		1.7	1.4	1.5	.5	.2												50	50	104	73
42/ 41		1.2	1.9	.8	.4	.4												44	44	89	104
40/ 39		.6	1.1	.6	.3	.3												28	28	59	80
38/ 37		.3	.5	.4	.5													17	17	44	79
36/ 35		.4	.3	.1	.1													9	9	31	76
34/ 33		.2																2	2	21	48
32/ 31		.2	.3															5	5	15	47
30/ 29		.1																1	1	8	36
28/ 27																				4	21
26/ 25																					24
24/ 23																					13
22/ 21																					14
20/ 19																					5
18/ 17																					3
16/ 15																					9
12/ 11																					3
TOTAL	.9	15.3	24.7	21.0	16.0	12.4	5.8	2.5	1.3	.2								929	929	929	929

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4280023	61161	65.8	16.527	929							
Dry Bulb	2542044	48058	51.7	7.765	929		.6	3.2	.1			93
Wet Bulb	1998012	42640	45.9	6.638	929		2.7					93
Dew Point	1539689	36981	39.8	8.533	929		17.5					93

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) MAY (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89																	.0	1	1		
88/ 87											.0		.0	.0	.0	.0	.0	11	11		
86/ 85										.0		.1	.1	.1	.0	.0		20	20		
84/ 83										.0	.1	.1	.2	.0				28	28		
82/ 81									.1	.1	.2	.2	.1	.1				53	53		
80/ 79							.0	.0	.1	.5	.1	.1	.2	.0				85	85		
78/ 77							.0	.2	.3	.3	.3	.3	.0	.0				107	107		
76/ 75							.1	.2	.3	.4	.3	.1	.1	.1				120	120		
74/ 73					.0	.1	.2	.4	.5	.5	.3	.0	.1	.0				158	158		
72/ 71					.0	.3	.4	.3	.6	.3	.2		.0					162	162		
70/ 69				.1	.1	.3	.4	.7	.5	.5	.3	.0						209	209		
68/ 67			.0	.0	.4	.4	.6	.8	.8	.4	.2	.0						269	269	7	
66/ 65			.1	.2	.5	.7	.9	.8	.6	.3	.1							321	321	17	
64/ 63		.0	.1	.4	.8	.6	.9	.8	.5	.2	.0							322	322	85	
62/ 61		.1	.1	.8	.8	1.0	.8	.8	.6	.1								376	376	174	8
60/ 59		.2	.4	1.0	1.3	1.1	1.0	.7	.3	.0								450	450	248	21
58/ 57		.4	1.1	1.2	1.3	1.3	.7	.6	.1									494	494	341	53
56/ 55	.0	.6	1.0	1.1	1.3	1.2	.9	.3	.1									483	483	469	130
54/ 53	.0	.7	1.3	1.6	1.3	1.0	.6	.2	.1									507	507	585	207
52/ 51	.3	.9	2.0	1.8	1.3	.8	.5	.1	.0									575	575	675	316
50/ 49	.1	1.9	2.5	1.5	1.0	.7	.2	.1										586	586	667	398
48/ 47	.2	2.4	2.6	1.7	.8	.4	.1	.0										617	617	878	519
46/ 45	.1	1.8	1.8	1.3	.7	.3	.1											646	446	832	674
44/ 43		1.3	1.0	1.2	.2	.1												287	287	689	679
42/ 41		.9	1.3	.8	.3	.1	.0											255	255	544	694
40/ 39	.0	.6	1.1	.5	.3	.1												190	190	374	659
38/ 37	.0	.4	.6	.4	.1	.0												114	114	299	618
36/ 35	.1	.1	.4	.3	.1													83	83	202	519
34/ 33	.0	.1	.2	.1	.0													38	38	139	438
32/ 31		.3	.3	.0	.0													54	54	84	427
30/ 29		.0	.1															9	9	73	294
28/ 27		.0	.0															4	4	40	230
26/ 25		.0																2	2	11	186
24/ 23		.0																1	1	3	89

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 75-82 YEARS — MAY MONTH

 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
22/ 21																				3	105
20/ 19																					84
18/ 17																					37
16/ 15																					33
14/ 13																					14
12/ 11																					7
TOTAL	.9	12.8	18.1	16.0	12.7	10.5	8.4	7.0	5.6	3.6	2.2	1.0	.7	.4	.1	.0	.0	7439	7439	7439	7439

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 91 F	Total
Rel. Hum.	28962728	440228	59.2	19.782	7439							
Dry Bulb	23776034	412742	55.5	10.850	7439		7.2	122.3	58.3	14.8		744
Wet Bulb	17200523	353403	47.5	7.438	7439		21.1	.7				744
De. Point	12988117	285570	38.7	8.628	7439		150.6					744

669 052

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PAGE 1 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
84/ 83												.1						1	1		
80/ 79										.1			.1					2	2		
78/ 77										.3								3	3		
76/ 75								.4	.3	.1		.2						10	10		
74/ 73				.2		.1	.2	.6	.1	.1	.1							13	13		
72/ 71			.1	.1	.3	.1	.8	.2	.1									16	16		
70/ 69			.3		.7	.8	.9	.3	.3									32	32		
68/ 67		.3	.1				1.1		.1									52	52	4	
66/ 65		.2	.3	1.3	1.3	.5	1.9	.6	.2									70	70	8	6
64/ 63		.1	.4	2.2	2.3	1.1	.4	.4										64	64	9	5
62/ 61		.6	1.2	1.1	1.6	1.1	.9											58	58	29	4
60/ 59		1.4	3.2	2.8	1.4	1.0	.4											93	93	75	9
58/ 57	.1	2.0	2.2	2.6	2.3	.8	.7											96	96	88	31
56/ 55		1.8	3.6	1.7	1.3	.8	.1											83	83	108	60
54/ 53		1.4	4.0	2.1	1.0	.3												80	80	116	70
52/ 51		1.4	1.9	3.1	.4	.2												64	64	112	96
50/ 49		2.3	3.7	.7	.1	.3												64	64	95	89
48/ 47		1.0	2.6	.9														40	40	78	109
46/ 45		2.1	.8	.9														34	34	83	89
44/ 43		.4	.6	.4														13	13	45	90
42/ 41		.3	.3															6	6	23	94
40/ 39		.1	.1	.2														4	4	18	62
38/ 37																				4	28
36/ 35	.1																	1	1	4	27
34/ 33																					12
32/ 31																					11
30/ 29																					3
28/ 27																					3
TOTAL	.2	15.7	25.5	21.2	14.3	10.0	7.3	3.2	1.2	.7	.1	.3	.1					899		899	
																		899		899	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4412580	61504	68.4	15.104	899							
Dry Bulb	3076975	52141	58.0	7.677	899			12.9	2.9	.1		90
Wet Bulb	2459769	46727	52.0	5.881	899			.4				90
Dew Point	2019805	43191	48.0	6.6[illegible]	899		1.7					90

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — JUN MONTH

PAGE 1 — 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77										.1			.1					2	2		
76/ 75												.2						2	2		
74/ 73								.4	.2	.1	.1							8	8		
72/ 71						.1	.3	.3	.1	.1								9	9		
70/ 69				.2		.2	.9		.1									13	13		
68/ 67		.2	.8	.9	.3	.8	.2	.2	.1									32	32		
66/ 65		.3		1.4	1.3	.9	.6	.3	.1									45	45	4	1
64/ 63	.1		1.1	1.3	1.8	.6	.7	.2										52	52	12	7
62/ 61		.6	2.3	2.1	2.0	1.6	.2											79	79	14	4
60/ 59		1.4	1.3	2.2	2.6	1.3	.7											86	86	45	10
58/ 57		2.2	3.8	3.0	2.3	.6	.3	.1										111	111	89	38
56/ 55	.1	2.4	3.2	2.4	1.7	.2	.3											94	94	82	49
54/ 53	.1	1.0	4.3	2.3	1.6	.4		.1										89	89	119	43
52/ 51		1.7	2.8	2.8	.9													73	73	118	100
50/ 49		1.6	4.0	1.4	.6	.1												69	69	103	84
48/ 47		1.9	3.7	.8	.2	.1												60	60	85	110
46/ 45	.1	1.3	1.0	.4	.3													29	29	99	87
44/ 43		.7	1.3	.2														20	20	59	92
42/ 41		.4	.6	.2														11	11	30	93
40/ 39		.6	.9	.1														14	14	18	66
38/ 37			.1															1	1	13	36
36/ 35		.1																1	1	9	32
34/ 33																				1	20
32/ 31																					20
30/ 29																					3
28/ 27																					2
26/ 25																					2
24/ 23																					1
TOTAL	.4	16.4	31.2	22.0	15.6	6.9	4.2	1.8	.7	.3	.1	.2	.1					900		900	
																			900		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4661377	63539	70.6	13.976	900							
Dry Bulb	2878574	50492	56.1	7.182	900			6.6	1.2			90
Wet Bulb	2351135	45693	50.8	5.901	900							90
Dew Point	1955811	41445	46.1	6.889	900		2.8					90

USAFETAC FORM JUN 71 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87												.1						1	1		
86/ 85												.1		.1				2	2		
84/ 83											.3							3	3		
82/ 81										.2								2	2		
80/ 79									.6			.2						7	7		
78/ 77								.1	.4	.3	.3	.1	.1					13	13		
76/ 75				.2		.2	.3	1.1	1.0	.1	.4							31	31		
74/ 73				.1	.1	.8	.6	1.0	.6	.4	.1	.1						34	34		
72/ 71				.4	1.1	.9	1.2	.7	.2		.2							43	43		
70/ 69			.2	.9	.7	1.7	1.8	.7	.6	.1								59	59	2	
68/ 67		.2	.2	1.3	2.0	1.2	.8	.9	.1	.2								63	63	3	1
66/ 65		.1	.6	1.9	2.6	3.1	1.4	.6	.2	.1								95	95	18	5
64/ 63			.8	1.8	3.1	2.2	1.2	.2	.4									88	88	45	7
62/ 61		.6	1.7	2.7	3.0	1.8	.3	.4										94	94	73	5
60/ 59		.8	1.6	2.6	2.8	1.4	.7											88	88	85	33
58/ 57		1.0	2.9	3.1	1.2	.7	.6	.1										86	86	110	52
56/ 55		.6	1.8	1.9	1.1	.4	.1											53	53	132	49
54/ 53		1.3	2.7	1.7	.8	.6												63	63	131	87
52/ 51		.3	.8	1.4	.4	.1												28	28	104	107
50/ 49		.1	1.1	.3	.1													15	15	80	132
48/ 47		.7	.3	.6														14	14	39	103
46/ 45		.8	.6	.4														16	16	42	89
44/ 43			.1	.1														2	2	22	65
42/ 41																				10	59
40/ 39																				3	29
38/ 37																				1	29
36/ 35																					17
34/ 33																					16
32/ 31																					13
30/ 27																					2
TOTAL		6.4	15.2	21.4	19.0	15.1	9.0	5.8	4.1	1.6	1.4	.7	.1	.1				900	900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3665882	55782	62.0	5.230	900							
Dry Bulb	3570892	56278	62.5	7.588	900			25.8	9.3	1.0		90
Wet Bulb	2715416	49191	54.7	5.471	900			.5				90
Dew Point	2150742	43578	48.4	6.728	900		1.6	.1				90

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99																.1		1	1		
98/ 97																	.1	1	1		
96/ 95														.1	.1			2	2		
94/ 93														.2				2	2		
92/ 91														.1	.2	.1		4	4		
90/ 89											.1	.2	.1	.2	.2			8	8		
88/ 87											.2	.3		.2				7	7		
86/ 85								.1		.2	.6	.2		.4	.1			15	15		
84/ 83							.2	.1	.2	1.0	.7	.4	.2	.2				28	28		
82/ 81					.1		.2	.8	1.2	.7	.8	.1	.3	.2				40	40		
80/ 79					.1	.4	.7	1.0	1.1	1.8	1.1	.3	.1					60	60		
78/ 77					.3	.4	.4	1.9	1.8	1.3	.6	.2	.2					65	65		
76/ 75			.1		.3	1.7	1.9	1.1	1.1	.7	.3							65	65		
74/ 73				.2	.2	.9	2.0	1.3	2.0	.6	.4	.2						71	71	1	
72/ 71				.1	.8	1.8	1.0	1.9	1.6	.7	.3							73	73	8	1
70/ 69				.2	1.1	1.4	2.1	1.6	1.0	.6	.1							73	73	13	2
68/ 67			.1	.6	.7	2.4	1.4	1.9	.7	.4								74	74	34	3
66/ 65			.1	.3	.9	2.2	2.0	.8	.3									60	60	80	9
64/ 63			.3	.6	2.2	1.2	1.1	.2	.4	.1								56	56	89	8
62/ 61		.3	.7	.8	1.0	1.6	.4	.3										46	46	95	19
60/ 59	.1	.8	.6	1.0	1.0	1.0	.3	.2										45	45	97	46
58/ 57	.1		.6	1.2	1.3	.7	.4	.2										43	43	122	67
56/ 55		.1	1.1	.4	.7	.2	.1	.1										25	25	100	83
54/ 53		.1	.7		.3	.6												15	15	101	62
52/ 51		.3			.2													5	5	69	83
50/ 49			.1	.1	.1													3	3	33	123
48/ 47		.3	.4	.1	.1													9	9	25	84
46/ 45		.3		.1														4	4	17	71
44/ 43																				13	67
42/ 41																				3	59
40/ 39																					26
38/ 37																					27
36/ 35																					30
34/ 33																					15

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | JUN MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
32/ 31																					11
30/ 29																					2
28/ 27																					2
TOTAL	.2	2.3	5.0	5.8	11.6	16.6	14.4	13.6	11.4	8.0	5.2	2.1	1.0	1.8	.7	.2	.1		900		900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2461782	44912	49.9	15.667	900							
Dry Bulb	4490060	63036	70.0	9.135	900			58.9	16.9	13.8	.6	90
Wet Bulb	3056198	52172	58.0	5.952	900			5.6	.1			90
Dew Point	2221550	44202	49.1	7.505	900		1.5	.6				90

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

~~726625~~ STATION — ~~ELLSWORTH AFB SD~~ STATION NAME — ~~73-82~~ YEARS — ~~JUN~~ MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
106/105																	.1	1	1		
~~104/103~~																	~~.1~~	~~1~~	~~1~~		
100/ 99															.1	.1	.4	6	6		
~~98/ 97~~																~~.1~~	~~.1~~	~~2~~	~~2~~		
96/ 95												.1			.2	.1		4	4		
~~94/ 93~~													~~.2~~	~~.2~~	~~.2~~	~~.1~~		~~7~~	~~7~~		
92/ 91												.1	.8	.2	.2	.2	.2	16	16		
~~90/ 89~~									~~.1~~		~~.3~~	~~.8~~	~~.8~~		~~.6~~			~~23~~	~~23~~		
88/ 87								.2		.4	.4	.7	.7	.1	.3	.3		29	29		
~~86/ 85~~							~~.2~~	~~.1~~	~~.2~~	~~.7~~	~~2.2~~	~~1.2~~	~~.2~~	~~.1~~	~~.4~~			~~49~~	~~49~~		
84/ 83							.2	.3	1.3	2.2	2.6	.3	.6	.3	.2			73	73		
~~82/ 81~~						~~.1~~	~~.3~~	~~.7~~	~~1.2~~	~~1.~~	~~1.9~~	~~.4~~	~~.6~~	~~.1~~				~~62~~	~~62~~		
80/ 79						.1	.4	.~	1.2	.8	1.3	.3	.3					45	45		
~~78/ 77~~						~~.4~~	~~.8~~	~~1.0~~	~~.9~~	~~1.0~~	~~1.2~~	~~.6~~						~~58~~	~~58~~		
76/ 75					.1	.7	1.0	.6	1.5	2.4	.8	1.0						76	76	1	
~~74/ 73~~					~~.2~~	~~.6~~	~~1.0~~	~~1.7~~	~~1.3~~	~~.8~~	~~.2~~	~~.1~~						~~53~~	~~53~~	~~9~~	
72/ 71					.8	1.3	1.7	1.2	1.7	.4	.2							66	66	4	
~~70/ 69~~				.1	~~.1~~	~~1.6~~	~~2.0~~	~~1.3~~	~~1.0~~	~~.1~~								~~56~~	~~56~~	~~31~~	~~3~~
68/ 67				.2	1.0	2.0	1.6	.9	.6	.2	.1							59	59	62	6
~~66/ 65~~		~~.1~~		~~.2~~	~~.6~~	~~1.0~~	~~1.8~~	~~.7~~	~~.5~~	~~.2~~								~~46~~	~~46~~	~~97~~	~~4~~
64/ 63			.3	.1	.8	1.2	1.8	.6	.3									46	46	96	8
~~62/ 61~~		~~.3~~	~~.6~~	~~.9~~	~~.9~~	~~1.1~~	~~.4~~	~~.2~~										~~40~~	~~40~~	~~90~~	~~17~~
60/ 59		.2	.1	1.1	.8	.6	.4											29	29	115	54
~~58/ 57~~			~~.4~~	~~.4~~	~~.3~~	~~.8~~	~~.1~~	~~.1~~										~~20~~	~~20~~	~~114~~	~~47~~
56/ 55			.7	.1	.4	.2	.2											15	15	92	83
~~54/ 53~~		~~.2~~			~~.2~~		~~.1~~											~~5~~	~~5~~	~~76~~	~~95~~
52/ 51		.2	.2			.2												6	6	60	95
~~50/ 49~~		~~.3~~																~~3~~	~~3~~	~~17~~	~~86~~
48/ 47			.3															3	3	23	94
~~46/ 45~~																				~~6~~	~~73~~
44/ 43																				4	63
~~42/ 41~~																				~~2~~	~~49~~
40/ 39																					39
~~38/ 37~~																					~~25~~

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 95 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A JUN 7 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
36/ 35																					29
34/ 33																					10
32/ 31																					12
30/ 29																					5
28/ 27																					2
TOTAL		1.4	2.7	3.2	6.2	11.9	14.1	10.8	12.3	10.7	11.3	5.7	4.1	1.1	2.3	1.0	1.0		899		899
																		899		899	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1923736	39308	43.7	15.110	899							
Dry Bulb	5084737	66761	74.2	10.008	899			68.7	50.6	30.0	2.1	90
Wet Bulb	3217592	53520	59.5	5.913	899			10.7	1.0			90
Dew Point	2218921	44147	49.1	7.536	899		1.3	.9				90

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103																	.1	1	1		
102/101																	.3	3	3		
100/ 99																	.2	2	2		
98/ 97																	.3	3	3		
96/ 95															.4	.1	.1	6	6		
94/ 93												.1	.3	.1	.6	.1	.2	13	13		
92/ 91												.3	.3	.4	.3	.2	.4	19	19		
90/ 89									.1		.1	.4	.8	.2	.2			17	17		
88/ 87								.2	.1	.3	1.4	1.3	.3	.2	.7			42	42		
86/ 85							.2		.3	.9	2.1	.9	.3	.4	.4			51	51		
84/ 83						.1	.2	.3	1.1	1.1	1.8	.7	.7	.3	.2			59	59		
82/ 81							.1	.8	1.6	.7	1.9	1.2	.1	.6	.1			63	63		
80/ 79						.1	.7	.3	1.0	1.2	1.0	1.0	.4	.1				53	53		
78/ 77							.3	1.4	1.6	2.1	1.6	1.0	.1					73	73		
76/ 75			.1		.3	.3	1.1	1.4	.6	1.6	.6	.1	.2					57	57		
74/ 73				.1	.3	.2	2.0	1.6	1.4	.7		.3						60	60	6	
72/ 71			.1		.3	1.4	1.3	.9	1.7		.1							53	53	9	
70/ 69				.1	.4	.6	2.3	1.0	.6	.4								49	49	24	4
68/ 67				.1	.9	1.0	1.0	1.0	.3	.1								40	40	69	4
66/ 65			.1	.4	1.2	.4	2.1	1.7	.3		.3							60	60	93	3
64/ 63			.6	.9	.9	1.3	.8	.4	.2									46	46	87	13
62/ 61			.4	.6	1.1	.9	.8											34	34	108	21
60/ 59		.6	.1	.7	1.0	.7	.7											33	33	118	27
58/ 57			.8	.3	.2	.8	.1											20	20	107	64
56/ 55		.1	.7	.6	.1	.3	.2											18	18	90	83
54/ 53		.1	.6		.1	.2	.2											11	11	72	96
52/ 51		.2		.2														4	4	54	87
50/ 49		.1	.1		.1													3	3	28	83
48/ 47		.2	.3	.1														6	6	17	82
46/ 45				.1														1	1	10	95
44/ 43																				5	63
42/ 41																				3	54
40/ 39																					34
38/ 37																					28

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
36/ 35																					25
34/ 33																					12
32/ 31																					17
30/ 29																					1
28/ 27																					1
26/ 25																					3
TOTAL		1.3	3.9	4.2	7.1	8.4	14.2	11.1	10.9	9.1	10.9	7.4	3.7	2.4	3.0	.4	1.8	900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1960754	39416	43.8	16.151	900							
Dry Bulb	5067310	66872	74.3	10.471	900			66.4	52.2	31.3	2.8	90
Wet Bulb	3212240	53502	59.4	5.940	900			10.8	.6			90
Dew Point	2206106	44018	48.9	7.552	900		2.2	.8				90

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.1	1	1		
94/ 93															.2		.1	3	3		
92/ 91												.2				.1		3	3		
90/ 89											.3		.2		.1	.2		8	8		
88/ 87										.1	.1		.1	.2				5	5		
86/ 85								.1	.2	.4	1.3		.1	.2				22	22		
84/ 83						.1	.1	.2	.2	.2	.7	.2	.6	.1	.1			23	23		
82/ 81					.1	.1		1.3	.6	1.2		.2	.2					34	34		
80/ 79					.2	.2	.4	.7	.8	.4	.8	.8	.1					40	40		
78/ 77						.3	1.7	1.6	1.0	.7	1.0	.3						59	59		
76/ 75			.1		.1	.7	1.6	1.4	.9	.7	.6	.2						56	56		
74/ 73			.1	.1	.4	.8	1.3	1.2	1.1	.6	.1	.3						55	55	3	
72/ 71		.1	.2	.2	.2	2.1	2.0	1.3	1.2	.6								72	72	6	
70/ 69			.3	.3	1.3	1.6	2.8	1.4	.4	.2	.1							77	77	22	4
68/ 67			.2	.7	1.3	1.9	.6	.9	.9	.2								60	60	30	6
66/ 65			.2	1.0	1.6	1.3	1.4	.6	.1									56	56	63	7
64/ 63		.1	.2	2.0	1.8	1.3	.9	.4		.1								62	62	74	11
62/ 61		.3	1.2	1.8	2.0	.9	.4	.1										61	61	87	28
60/ 59		.7	.7	1.8	1.8	.9	.4		.1									57	57	112	43
58/ 57		.3	1.7	1.8	1.2	.8												52	52	134	65
56/ 55		.1	1.0	.8	1.0	.2												28	28	101	86
54/ 53		.1	1.1	.3	.3	.3												20	20	91	91
52/ 51		.4	.7	.7	.3	.1	.1											21	21	72	90
50/ 49		.1	.8	.2	.2													12	12	40	76
48/ 47		.2	.3	.4														9	9	26	96
46/ 45		.4																4	4	19	81
44/ 43																				14	61
42/ 41																				6	59
40/ 39																					33
38/ 37																					29
36/ 35																					15
34/ 33																					6
32/ 31																					10
28/ 27																					1

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	No. Observed Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 64 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
26/ 25																					1
24/ 23																					1
TOTAL		3.0	8.9	12.1	14.0	13.7	13.8	11.3	7.6	5.4	5.0	2.3	1.3	.6	.4	.3	.2	900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2865585	48553	53.9	16.551	900							
Dry Bulb	4302545	61627	68.5	9.589	900			51.8	30.9	11.9	.4	90
Wet Bulb	3023821	51877	57.6	6.111	900			6.1	.3			90
Dew Point	2273157	44781	49.7	7.381	900		1.3	1.0				90

669-052

USAFETAC FORM 0-26-3 OL A, JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — JUN MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31				
84/ 83									.1	.1		.1						3	3		
82/ 81								.1	.1		.1			.1				4	4		
80/ 79							.3		.2	.6			.1	.1				12	12		
78/ 77					.1		.2	.1	1.0	.6	.1							19	19		
76/ 75			.1		.2	.2	.3	.3	.2	.6	.4							22	22		
74/ 73		.1		.2	.3	.7	.7	.6	.2	.2								27	27		
72/ 71				.2	.3	1.0	1.2	.6	1.0	.4								43	43	2	1
70/ 69		.1	.2	.2	1.2	1.2	1.2	.8	.3	.1								49	49	2	1
68/ 67	.1	.4	.2	.7	2.2	2.1	1.2	1.3	.2									77	77	14	1
66/ 65		.1	.8	1.3	2.8	1.4	1.6	.9	.2									82	82	17	6
64/ 63			.8	2.2	1.7	1.1	.8	.6	.2									66	66	24	11
62/ 61		.3	1.3	2.6	2.6	2.0	.8	.2										88	88	71	9
60/ 59		1.8	2.0	1.6	2.0	1.0	.7	.1										82	82	78	19
58/ 57		1.0	2.8	2.4	1.1	.6	.1											72	72	136	49
56/ 55		.7	3.0	2.4	.9	.3												66	66	103	75
54/ 53		.4	2.4	2.4	.6	.1												54	54	113	86
52/ 51		1.1	1.9	2.4	.1		.1											51	51	92	91
50/ 49		1.6	1.7	1.0	.2	.2												42	42	91	93
48/ 47		.4	1.8	.3	.1													24	24	66	97
46/ 45		.6	.2	.8														14	14	48	114
44/ 43		.2																2	2	26	75
42/ 41		.1																1	1	7	62
40/ 39																				10	44
38/ 37																					32
36/ 35																					16
34/ 33																					9
32/ 31																					6
28/ 27																					1
26/ 25																					2
TOTAL	.1	9.0	19.2	20.9	16.4	12.0	9.2	5.6	3.9	2.6	.7	.1	.1	.2					900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3897002	57490	63.9	15.809	900							
Dry Bulb	3483775	55513	61.7	8.147	900			25.6	8.7	1.2		90
Wet Bulb	2679457	48825	54.3	5.848	900			1.8				90
Dew Point	2144787	43555	48.4	6.751	900		.8	.3				90

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669 052

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUN (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
106/105																	.0	1	1		
104/103																	.0	2	2		
102/101																	.0	3	3		
100/ 99															.0	.0	.1	9	9		
98/ 97																.0	.1	7	7		
96/ 95												.0		.0	.1	.0	.0	12	12		
94/ 93												.0	.1	.1	.1	.0	.0	25	25		
92/ 91												.1	.1	.1	.1	.1	.1	42	42		
90/ 89									.0		.1	.2	.2	.1	.1	.0		56	56		
88/ 87								.1	.0	.1	.3	.3	.1	.1	.1	.0		84	84		
86/ 85							.1	.0	.1	.3	.8	.3	.1	.2	.1			139	139		
84/ 83						.0	.1	.1	.4	.6	.8	.2	.3	.1	.1			190	190		
82/ 81					.0	.0	.1	.5	.6	.5	.6	.3	.2	.1	.0			205	205		
80/ 79					.0	.1	.3	.3	.6	.6	.5	.3	.2	.0				219	219		
78/ 77					.1	.2	.4	.8	.8	.8	.6	.3	.1					292	292		
76/ 75			.1	.0	.1	.5	.8	.8	.8	.8	.4	.2	.0					319	319	1	
74/ 73		.0	.0	.1	.2	.5	1.0	1.0	.9	.4	.1	.1						321	321	19	
72/ 71		.0	.1	.1	.5	1.1	1.2	.9	.9	.3	.1							375	375	29	2
70/ 69		.0	.1	.3	.7	1.1	1.8	.9	.5	.2	.0							408	408	94	14
68/ 67	.0	.2	.2	.6	1.2	1.7	1.0	1.0	.4	.2	.0							457	457	216	21
66/ 65		.1	.3	1.0	1.5	1.5	1.6	.8	.3	.0	.0							514	514	380	41
64/ 63	.0	.0	.6	1.4	1.8	1.3	1.0	.4	.2	.0								480	480	436	71
62/ 61		.4	1.2	1.6	1.8	1.4	.5	.2										500	500	567	107
60/ 59	.0	1.0	1.2	1.7	1.7	1.0	.5	.0	.0									513	513	725	241
58/ 57	.0	.8	1.9	1.9	1.3	.7	.3	.1										500	500	900	413
56/ 55	.0	.7	1.9	1.3	.9	.3	.1	.0										382	382	808	568
54/ 53	.0	.6	2.0	1.1	.6	.3	.0	.0										337	337	819	630
52/ 51		.7	1.0	1.3	.3	.1	.0											252	252	681	749
50/ 49		.8	1.4	.5	.2	.1												211	211	487	766
48/ 47		.6	1.2	.4	.1	.0												165	165	359	775
46/ 45	.0	.7	.3	.3	.0													102	102	324	699
44/ 43		.2	.3	.1														37	37	188	576
42/ 41		.1	.1	.0														18	18	84	529
40/ 39		.1	.1	.0														18	18	49	333

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — JUN MONTH

 — ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
38/ 37			.0															1	1	18	234
36/ 35	.0	.0																2	2	13	191
34/ 33																				1	100
32/ 31																					100
30/ 29																					14
28/ 27																					14
26/ 25																					8
24/ 23																					2
TOTAL	.1	7.0	13.9	13.9	13.0	11.8	10.8	7.9	6.5	4.8	4.3	2.4	1.3	.8	.8	.3	.4	7198	7198	7198	7198

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	25848706	410504	57.0	18.404	7198							
Dry Bulb	31914868	472700	65.7	11.008	7198			316.7	192.7	89.3	5.9	720
Wet Bulb	22715628	401506	55.8	6.663	7198			35.9	2.0			720
Dew Point	17194879	347947	48.3	7.222	7198		13.8	3.7				720

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PAGE 1 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93																.1		1	1		
92/ 91															.2			2	2		
90/ 89														.1				1	1		
86/ 85													.1					1	1		
84/ 83														.1				1	1		
82/ 81						.1			.2	.1		.2	.1					7	7		
80/ 79						.1			.5	.4	.2							12	12		
78/ 77				.2	.1	.1		.8	.2	.4	.2	.1						20	20		
76/ 75					.2	.2	1.0	.2	1.2	.9	.4							38	38		
74/ 73			.1	.2	.3	1.0	1.6	1.1	1.3	.3	.2							57	57		
72/ 71	.1	.2	.1	.6	1.4	1.5	2.0	1.4	.5	.3								77	77	9	1
70/ 69	.2	.3	.6	2.3	1.8	1.8	2.9	.8	1.0	.3								112	112	7	8
68/ 67		.8	1.1	1.7	2.6	2.2	1.6	.9	.3									103	103	7	6
66/ 65		1.2	1.0	2.3	3.2	1.7	1.2	.4	.3									105	105	43	13
64/ 63	.2	.8	2.7	3.5	2.9	1.6	.5	.4	.1									119	119	93	28
62/ 61	.6	1.2	1.2	3.8	2.3	1.3	.2											98	98	96	30
60/ 59	.3	1.3	2.0	2.0	1.7	.6	.4											79	79	160	64
58/ 57	.3	1.1	1.7	1.5	.6	.3	.3	.1										56	56	185	72
56/ 55		.5	1.2	.4	.2		.1											23	23	135	114
54/ 53		1.0	.2	.3														14	14	89	104
52/ 51			.1		.2	.1												4	4	70	120
50/ 49																				22	107
48/ 47																				7	88
46/ 45																				4	64
44/ 43																				3	41
42/ 41																					23
40/ 39																					18
38/ 37																					14
36/ 35																					8
34/ 33																					5
32/ 31																					2
TOTAL	1.8	8.3	12.0	18.9	17.6	12.7	11.9	6.0	5.7	2.8	1.1	.3	.2	.2	.2	.1			930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3942743	58417	62.8	17.153	930							
Dry Bulb	4105161	61519	66.1	6.200	930			43.2	14.0	1.8	.1	93
Wet Bulb	3158309	53963	58.0	4.525	930			2.3				93
Dew Point	2561347	48409	52.1	6.678	930		.2	1.5				93

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PAGE 1 0300-0500 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87														.1				1	1		
86/ 85													.2					2	2		
82/ 81												.2						2	2		
80/ 79											.1	.1						2	2		
78/ 77					.1			.2		.3		.1						7	7		
76/ 75				.1	.1	.1	.5	.8	.1	.3		.1						20	20		
74/ 73		.1		.1	.3	.1	.5	.6	.4	.3	.1							25	25		
72/ 71	.1			.3	.6	1.1	.6	1.5	1.0	.2								51	51	2	2
70/ 69	.2	.2	.8	.9	1.7	1.4	1.6	1.4	1.1									86	86	5	3
68/ 67		.8	1.0	2.3	2.0	1.8	.3	.8	.3									86	86	8	3
66/ 65	.2	.6	2.3	1.7	4.1	2.0	2.2	.2	.1									125	125	25	12
64/ 63	.1	1.3	2.7	3.3	2.5	1.3	.8	.4										115	115	52	19
62/ 61	.6	2.0	2.4	4.2	2.7	1.7	.1	.1	.1									130	130	102	38
60/ 59	.4	2.2	2.4	3.7	2.6	1.0	.2			.2								117	117	131	58
58/ 57	.2	.9	1.6	1.8	1.2	.5	.1											59	59	157	67
56/ 55		1.5	2.3	1.5	.9	.3												60	60	155	97
54/ 53		.8	1.3	.4	.3	.2												28	28	124	107
52/ 51		.1	.4	.2	.6													13	13	88	121
50/ 49																				43	105
48/ 47																				21	85
46/ 45																				7	72
44/ 43																				8	61
42/ 41																				1	32
40/ 39																					18
38/ 37																					12
36/ 35																					11
34/ 33																					3
30/ 29																					1
20/ 19																					2
TOTAL	1.9	10.4	17.0	20.6	19.8	11.6	7.0	6.0	3.1	1.4	.2	.5	.2	.1					929		929
																		929		929	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4309029	61393	66.1	16.475	929							
Dry Bulb	3809109	59247	63.8	5.745	929			28.2	5.9	.6		93
Wet Bulb	3008647	52693	56.7	4.630	929			1.5				93
Dew Point	2492896	47716	51.4	6.733	929		.3	.8				93

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FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

~~726625~~ STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — JUL MONTH

PAGE 1 — 0600-0800 HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91														.1				1	1		
~~90/ 89~~														.1				1	1		
88/ 87												.3	.1	.2				6	6		
~~86/ 85~~									.1	.1	.6	.1	.1					10	10		
84/ 83							.1		.4	.4	.5	.3	.1					18	18		
~~82/ 81~~					.2	.1	.2	.2	1.1	.8	.5	.2						31	31		
80/ 79				.1		.3	.3	.8	1.0	.8	.1							31	31		
~~78/ 77~~				.2	.1	.9	.5	2.6	1.7	1.3	.2		.1					71	71		
76/ 75		.1	.1	.4	.3	1.1	1.4	1.4	.6	1.3								63	63		
~~74/ 73~~		.2	.1	.4	.9	1.3	1.9	1.8	.4	.3	.1	.1						71	71	6	2
72/ 71		.1	.3	.6	1.1	2.9	2.2	1.5	1.1	.2	.2							95	95	6	3
~~70/ 69~~	.1	.1	.6	.6	2.8	2.8	2.0	1.7	.2	.2	.1							106	106	20	6
68/ 67	.1	.3	1.0	1.1	1.8	2.6	1.1	1.1	.2	.1								87	87	35	7
~~66/ 65~~		.9	1.4	1.4	3.8	2.2	.9	.3										100	100	76	20
64/ 63	.2	.8	1.5	2.3	2.2	1.0	.5	.1		.2								81	81	134	31
~~62/ 61~~	.2	1.2	1.1	2.2	1.4	.9	.1	.1		.1								67	67	146	43
60/ 59	.4	.6	1.1	2.0	.6	.3	.2											50	50	144	63
~~58/ 57~~	.1	.8	1.0	.4	.1													22	22	139	95
56/ 55		.3	.8	.1														11	11	117	122
~~54/ 53~~		.6		.1														7	7	57	125
52/ 51		.1																1	1	39	129
~~50/ 49~~																				6	93
48/ 47																				2	73
~~46/ 45~~																				2	51
44/ 43																				1	29
~~42/ 41~~																					12
40/ 39																					8
~~38/ 37~~																					7
36/ 35																					3
~~34/ 33~~																					3
32/ 31																					2
~~26/ 25~~																					1
24/ 23																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.2	6.1	8.9	12.0	15.3	16.2	11.5	11.6	6.9	5.8	2.5	1.1	.4	.4				930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3467881	54553	58.7	16.980	930							
Dry Bulb	4545672	64688	69.6	7.050	930			59.1	30.3	8.2		93
Wet Bulb	3357770	55718	59.9	4.594	930			6.7	.6			93
Dew Point	2679089	49855	53.3	6.442	930		.5	1.8	.2			93

669-052

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	27 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101																.1	.1	2	2		
100/ 99																.1	.4	5	5		
98/ 97															.1	.3	.1	5	5		
96/ 95													.1	.1	.5	.8	.2	16	16		
94/ 93													.3	.9	.3	.3		17	17		
92/ 91											.2	.8	.8	.6	.6	.4		32	32		
90/ 89									.2	.3	.6	1.4	1.5	.4	.1			43	43		
88/ 87							.1	.5	.4	.9	1.0	1.6	.9	.5	.1			56	56		
86/ 85						.2	.1	.2	.6	1.1	1.8	1.5	.4	.3				59	59		
84/ 83						.2	.3	.9	1.1	1.8	1.5	1.1	.5					69	69		
82/ 81					.2	.5	.6	1.3	2.0	1.5	.6	.8	.3					74	74		
80/ 79				.1	.3	.3	1.1	2.4	2.4	1.7	.8	.3	.3					90	90		
78/ 77			.1		.2	.8	1.0	2.2	1.4	.8	1.0	.4	.2					74	74		
76/ 75				.2	.5	.6	2.5	2.5	1.4	.6	.6	.2						86	86	4	
74/ 73				.3	.6	1.3	1.2	2.6	1.2	.4	.1							72	72	16	
72/ 71				.5	.9	1.8	2.0	.8	.5	.2		.1						64	64	37	5
70/ 69			.1	.6	.8	.6	1.5	.8	.4	.1								46	46	55	11
68/ 67			.6	.3	1.3	1.0	.8	.1	.1		.1							40	40	124	12
66/ 65		.1	.3	.4	.9	.9		.1			.1							26	26	164	21
64/ 63		.1	.2	1.0	.4													16	16	153	37
62/ 61	.1	.2	.3	.5														11	11	118	42
60/ 59		.4	.2	.3	.1													10	10	103	74
58/ 57		.4	.4	.2														10	10	81	118
56/ 55		.3		.1														4	4	44	111
54/ 53		.3																3	3	22	119
52/ 51																				5	120
50/ 49																				3	72
48/ 47																				1	60
46/ 45																					48
44/ 43																					28
42/ 41																					24
40/ 39																					11
38/ 37																					5
36/ 35																					5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669 052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
34/ 33																					3
32/ 31																					1
28/ 27																					1
26/ 25																					2
TOTAL	.1	1.9	2.4	4.7	6.2	8.3	11.2	14.2	11.8	9.5	8.5	8.2	5.4	2.9	1.8	2.0	.9	930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2152367	42071	45.2	16.377	930							
Dry Bulb	5792523	72941	78.4	8.788	930			85.0	70.0	42.4	4.5	93
Wet Bulb	3747680	58874	63.3	4.713	930			23.4	2.0			93
Dew Point	2727823	49967	53.7	6.819	930		.4	2.8				93

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
108/107																	.1	1	1		
106/105																	.8	7	7		
104/103																	1.0	9	9		
102/101																.2	.6	8	8		
100/ 99															.4	.1	.6	11	11		
98/ 97													.1	.2	.3	1.1	1.1	26	26		
96/ 95												.1	.5	1.3	1.7	1.5	.4	52	52		
94/ 93										.1	.1	.4	.6	1.2	1.0	.5	.1	38	38		
92/ 91									.1	.4	.8	1.1	1.3	1.9	.8	.5	.1	65	65		
90/ 89								.3	.4	.3	.2	1.8	1.5	.8	.5	.2		57	57		
88/ 87								.2	.3	.8	2.4	2.2	1.4	1.1				77	77		
86/ 85						.1	.1	.2	1.0	1.3	1.6	1.5	1.4	1.4	.1			81	81		
84/ 83							.2	1.2	1.6	1.7	1.4	.9	.8	.2	.1			75	75		
82/ 81						.2	.1	.8	1.9	1.7	.9	.4	.2	.3				61	61		
80/ 79					.1	.2	.8	1.4	1.5	1.3	1.0	1.2	.1					70	70		
78/ 77				.1	.9	.5	.4	2.0	2.2	1.8	.8		.1					79	79		
76/ 75				.1	.6	.4	2.0	.9	1.0	.5			.2					54	54	6	
74/ 73				.4	.6	.8	1.1	1.3	.6	.8								52	52	19	
72/ 71				.4	.1	.2	1.4	.9	.3	.4		.1						36	36	53	2
70/ 69		.1	.2	.2	.1	.4	.5											15	15	82	6
68/ 67			.1	.2	.5	.2	.3											13	13	192	16
66/ 65		.1	.2	.3	.2	.1												9	9	156	20
64/ 63			.1	.4	.4													9	9	134	28
62/ 61		.1	.1	.3	.2													7	7	110	53
60/ 59		.4	.3															7	7	88	63
58/ 57		.3	.3	.2														8	8	53	121
56/ 55		.3																3	3	22	94
54/ 53																				11	109
52/ 51																				4	113
50/ 49																					86
48/ 47																					67
46/ 45																					48
44/ 43																					37
42/ 41																					32

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

~~726625~~ STATION ~~ELLSWORTH AFB SD~~ STATION NAME ~~73-82~~ YEARS JUL MONTH

PAGE 2 ~~1200-1400~~ HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
~~40/ 39~~																					19
~~38/ 37~~																					8
~~36/ 35~~																					2
~~32/ 31~~																					3
~~30/ 29~~																					1
~~28/ 27~~																					2
TOTAL		1.4	1.4	2.8	3.9	3.2	7.0	9.1	11.0	11.2	8.7	9.7	8.3	8.4	4.9	4.2	4.8	930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1617525	35789	38.5	16.082	930							
Dry Bulb	6524131	77397	83.2	9.449	930			88.7	82.3	60.4	15.2	93
Wet Bulb	3900649	60089	64.6	4.427	930			35.2	2.5			93
Dew Point	2669081	49407	53.1	6.905	930		.6	2.4				93

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

EGS-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — JUL MONTH

PAGE 1 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
112/111																	.1	1	1		
108/107																	.2	2	2		
106/105																	.3	3	3		
104/103																	.5	5	5		
102/101																	1.7	16	16		
100/ 99															.3	.4	.8	14	14		
98/ 97													.2	.1	.1	.8	1.0	20	20		
96/ 95												.1	.2	.2	1.5	1.5	.6	39	39		
94/ 93										.1	.2	.4	1.0	1.8	2.4	.9	.3	66	66		
92/ 91									.2	.2	.2	.2	1.1	2.2	1.3	.2	.4	56	56		
90/ 89									.1	.5	1.0	1.4	1.7	1.2	.5	.4		64	64		
88/ 87									.3	1.2	1.4	1.9	1.6	1.1	.6	.1		77	77		
86/ 85							.3	.4	1.2	1.1	2.5	1.3	1.1	.9	.2			83	83		
84/ 83							.3	.4	.6	1.3	1.9	1.4	.4	1.0				69	69		
82/ 81						.3	.3	.8	1.7	2.0	1.5	.4	.3	.1				70	70		
80/ 79					.4	.2	.2	.9	2.8	1.8	1.2	.8						77	77		
78/ 77					.2	.4	.2	1.7	1.9	1.3	1.0							63	63		
76/ 75				.1	.2	.6	1.1	1.5	1.3	.9	.2	.2	.2					59	59	4	
74/ 73				.5	1.0	.3	1.2	.9	.4	.3								43	43	14	
72/ 71				.8	.2	.3	.5	.5	.2									24	24	51	
70/ 69		.2	.2	.2	.4	.3	.9											21	21	79	3
68/ 67		.2	.3	.3	.5	.8	.1											21	21	150	21
66/ 65		.3		.1	.5	.4												13	13	172	17
64/ 63			.4	.1														5	5	180	35
62/ 61			.3															3	3	112	52
60/ 59		.1	.5															6	6	93	53
58/ 57		.2	.1	.3														6	6	50	65
56/ 55		.3																3	3	16	112
54/ 53																				6	108
52/ 51																				2	122
50/ 49																					91
48/ 47																					74
46/ 45																					61
44/ 43																					42

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
42/ 41																					24
40/ 39																					24
38/ 37																					12
36/ 35																					8
34/ 33																					2
32/ 31																					1
30/ 29																					2
TOTAL		1.4	1.9	2.5	3.6	3.8	5.2	7.1	10.9	10.8	11.1	8.2	7.9	8.5	7.0	4.3	6.0		929		929
																		929		929	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1559251	34821	37.5	16.547	929							
Dry Bulb	6570152	77650	83.6	9.278	929			89.8	82.8	62.9	16.6	93
Wet Bulb	3878228	59902	64.5	4.119	929			29.8	1.8			93
Dew Point	2607645	48793	52.5	6.959	929		.1	2.8				93

669-052

FORM 0-26-3 OL A (JUN 71) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PAGE 1 1800-2000 (HOURS)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99																	.6	6	6		
98/ 97																.1		1	1		
96/ 95														.2	.1	.1	.6	10	10		
94/ 93														.3	.3	.2	.1	9	9		
92/ 91											.1	.2	.4	1.2	.5	.2	.1	26	26		
90/ 89										.1	.5	.5	.9	.3	.4	.3		29	29		
88/ 87								.2	.2	1.0	.5	.6	1.0	.5	.3	.1		42	42		
86/ 85					.1		.1	.3	.8	.9	1.5	1.1	.9	.3	.2			57	57		
84/ 83						.2	.1	.1	.9	1.4	1.6	.9	.5	.1				54	54		
82/ 81					.2	.5	.1	1.3	1.7	1.7	1.4	.9	.6	.1				80	80		
80/ 79			.1		.1	.3	.8	1.0	2.7	1.8	1.1	.6	.3	.1				83	83		
78/ 77				.2	.5	1.2	.5	2.8	2.2	1.7	.5	.3						93	93	1	
76/ 75				.4	.6	1.0	2.2	2.0	1.4	1.5	.4	.3						92	92	1	1
74/ 73			.1	.4	.8	1.3	2.8	1.9	1.4	.5	.1							87	87	8	1
72/ 71			.1	1.1	.6	1.6	1.4	.8	1.6	.3	.1							71	71	26	
70/ 69		.3	.3	.9	1.1	1.5	1.2	.5										54	54	53	6
68/ 67			1.3	.4	1.2	1.4	.4	.4	.1	.1								50	50	80	17
66/ 65		.1	.3	.6	1.0	.3	.3											25	25	137	25
64/ 63	.1	.3	.6	1.0	.8	.1												27	27	180	29
62/ 61			.4	.4	.3													11	11	144	71
60/ 59		.1	.8	.1														9	9	123	50
58/ 57		.1	.6	.2														9	9	96	80
56/ 55		.3	.1															4	4	56	116
54/ 53		.1																1	1	21	117
52/ 51																				3	119
50/ 49																				1	76
48/ 47																					60
46/ 45																					53
44/ 43																					39
42/ 41																					24
40/ 39																					22
38/ 37																					11
36/ 35																					8
34/ 33																					1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

669-052

GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
32/ 31																						4
TOTAL	.1	1.4	4.8	5.8	7.3	9.5	9.9	11.4	12.9	11.1	8.0	5.5	4.6	3.2	1.9	1.1	1.5		930	930		930
																			930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2291365	43221	46.5	17.448	930							
Dry Bulb	559846	71762	77.2	8.220	930			84.4	66.9	35.9	2.6	93
Wet Bulb	366344	58229	62.6	4.356	930			16.9	1.0			93
Dew Point	267140	49406	53.1	7.092	930		.4	2.5	.2			93

669 052

USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91															.2			2	2		
90/ 89											.1			.2				3	3		
88/ 87										.1		.2		.1				4	4		
86/ 85											.1	.1	.1	.2				5	5		
84/ 83								.1	.2	.2	.3		.4	.1				13	13		
82/ 81								.2	.4	.6	.4	.2						18	18		
80/ 79					.1	.2	.3	.4	.4	.6	.6	.2	.2					30	30		
78/ 77			.1	.1	.3	.3	.4	1.7	1.0	.6	1.0	.2	.1					55	55		
76/ 75		.1	.1	.5	.6	.5	1.9	1.8	2.0	.8	.4							83	83		
74/ 73		.1	.1	.3	1.1	1.3	1.9	2.5	1.5	.9	.3							93	93	3	3
72/ 71		.2	.3	1.3	1.5	1.8	2.5	2.0	.6	.1	.2							99	99	7	
70/ 69		.3	1.2	1.9	1.7	2.2	2.0	1.8	.5	.4								113	113	19	4
68/ 67		.5	1.4	1.6	3.8	3.0	.3	1.4	.4									116	116	28	14
66/ 65		.3	.9	1.8	3.0	2.2	1.3	.2	.1									91	91	73	15
64/ 63		.9	1.7	2.5	1.5	1.0	1.1	.1	.1									82	82	117	31
62/ 61	.3	.6	.5	1.6	.8	.4	.2	.1	.1									44	44	151	43
60/ 59	.1	.4	1.4	1.8	1.2	.1	.1											48	48	167	72
58/ 57	.1	.3	.3	.5	.4													16	16	155	78
56/ 55		.9	.2	.3														13	13	90	97
54/ 53		.2																2	2	75	141
52/ 51																				33	107
50/ 49																				8	87
48/ 47																				4	74
46/ 45																					55
44/ 43																					46
42/ 41																					25
40/ 39																					14
38/ 37																					14
36/ 35																					7
34/ 33																					1
32/ 31																					2
TOTAL	.5	4.9	8.3	18.4	16.0	13.0	12.2	12.5	7.5	4.4	3.5	1.0	.9	.6	.2				930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	< 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3346690	53452	57.5	7.159	930							
Dry Bulb	4551436	64780	69.7	6.490	930			63.4	30.6	5.7		93
Wet Bulb	3336279	55549	59.7	4.442	930			5.7	.3			93
Dew Point	2628157	49035	52.7	6.799	930		.2	2.1	.3			93

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USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
112/111																	.0	1	1		
108/107																	.0	3	3		
106/105																	.1	10	10		
104/103																	.2	14	14		
102/101																.0	.3	26	26		
100/ 99															.1	.1	.3	36	36		
98/ 97													.0	.0	.1	.3	.3	52	52		
96/ 95												.0	.1	.2	.5	.5	.2	117	117		
94/ 93										.0	.0	.1	.2	.5	.5	.3	.1	131	131		
92/ 91									.0	.1	.2	.3	.4	.8	.5	.2	.1	188	188		
90/ 89								.0	.1	.2	.3	.6	.7	.4	.2	.1		198	198		
88/ 87							.0	.1	.2	.5	.7	.9	.6	.5	.1	.0		263	263		
86/ 85					.0	.0	.1	.1	.5	.6	1.0	.7	.5	.4	.1			298	298		
84/ 83						.1	.1	.3	.6	.9	.9	.6	.3	.2	.0			299	299		
82/ 81					.1	.2	.2	.6	1.1	1.1	.7	.4	.2	.1				343	343		
80/ 79			.0	.0	.1	.2	.4	.8	1.4	1.1	.6	.4	.1	.0				395	395		
78/ 77			.0	.1	.3	.5	.4	1.7	1.3	1.0	.5	.1	.1					462	462	1	
76/ 75		.0	.0	.2	.4	.6	1.6	1.4	1.1	.8	.3	.1	.1					495	495	15	1
74/ 73		.1	.1	.3	.7	.9	1.5	1.6	.9	.5	.1	.0						500	500	66	6
72/ 71	.0	.1	.1	.7	.8	1.4	1.6	1.2	.7	.2	.1	.0						517	517	191	13
70/ 69	.1	.2	.5	1.0	1.3	1.4	1.6	.9	.4	.1	.0							553	553	320	47
68/ 67	.0	.3	.8	1.0	1.7	1.6	.6	.6	.2	.0	.0							516	516	624	96
66/ 65	.0	.5	.8	1.1	2.1	1.2	.7	.2	.1		.0							494	494	846	143
64/ 63	.1	.5	1.3	1.8	1.3	.6	.4	.1	.0	.0								454	454	1043	238
62/ 61	.2	.7	.8	1.6	1.0	.5	.1	.0	.0	.0								371	371	979	372
60/ 59	.2	.7	1.1	1.3	.8	.3	.1			.0								326	326	1009	497
58/ 57	.1	.5	.8	.7	.3	.1	.1	.0										186	186	916	696
56/ 55		.6	.6	.3	.1	.0	.0											121	121	635	863
54/ 53		.4	.2	.1	.0	.0												55	55	405	930
52/ 51		.0	.1	.0	.1	.0												18	18	244	951
50/ 49																				83	717
48/ 47																				35	581
46/ 45																				13	452
44/ 43																				12	321

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) JUL (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
42/ 41																				1	196
40/ 39																					134
38/ 37																					83
36/ 35																					52
34/ 33																					18
32/ 31																					15
30/ 29																					4
28/ 27																					1
26/ 25																					3
24/ 23																					2
20/ 19																					2
TOTAL	.7	4.5	7.1	10.2	11.2	9.8	9.5	9.7	8.7	7.1	5.8	4.3	3.5	3.1	2.0	1.5	1.7		7438		7438
																		7438		7438	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	22685851	383717	51.6	19.714	7438							
Dry Bulb	41496820	549974	73.9	10.571	7438			541.4	382.8	217.9	39.0	744
Wet Bulb	28042931	455017	61.2	5.281	7438			121.7	8.2			744
Dew Point	21037538	392288	52.7	6.839	7438		2.9	16.3	.7			744

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83												.1						1	1		
82/ 81											.1		.1					2	2		
80/ 79									.2	.2								4	4		
78/ 77						.1			.2	.3	.1	.2						9	9		
76/ 75					.1	.2	.3	.9	.4	.3								21	21		
74/ 73					.3	.3	.5	1.1	.2	.9	.1							32	32		
72/ 71			.1	.2	.4	.9	1.7	.3	.5	.5								44	44		
70/ 69			.6	.9	.8	.6	1.3	1.7	.4	.1								60	60		
68/ 67		.3	.3	1.0	1.5	1.6	1.7	1.5	.3									77	77	6	
66/ 65		.3	2.3	1.2	1.3	2.0	1.8	.8	.6									96	96	19	7
64/ 63	.4	1.1	3.2	3.1	3.2	2.5	1.1	.4										140	140	34	17
62/ 61	.1	1.7	1.7	2.8	2.5	2.2	.3		.1									106	106	87	29
60/ 59	.1	1.4	1.6	3.3	2.5	1.7	1.1	.2										111	111	118	40
58/ 57	.2	1.1	1.9	3.4	1.2	1.1	.6											89	89	111	61
56/ 55		.8	.8	2.8	1.7	.6	.4											66	66	159	66
54/ 53	.2	.2	.8	1.5	.8	.2												34	34	142	78
52/ 51			.4	.6	.4	.1												15	15	87	94
50/ 49	.3		.4	.6	.3	.1												17	17	70	108
48/ 47				.1														1	1	51	101
46/ 45			.3															3	3	25	93
44/ 43																				12	76
42/ 41																				7	49
40/ 39																					36
38/ 37																					39
36/ 35																					16
34/ 33																					9
32/ 31																					4
30/ 29																					5
TOTAL	1.4	6.9	14.5	21.7	17.0	14.3	11.0	6.9	3.1	2.4	.3	.3	.1					928	928		928
																		928		928	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3880233	58097	62.6	16.194	928							
Dry Bulb	3716130	58442	63.0	6.203	928			25.1	6.9	.4		93
Wet Bulb	2858155	51291	55.3	5.011	928			.6				93
Dew Point	2285162	45582	49.1	7.063	928		.9					93

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FORM 0-26-3 'OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
80/ 79										.1								1	1		
78/ 77									.1	.1	.1							3	3		
76/ 75								.2	.3		.2	.1						8	8		
74/ 73								.4	.4									8	8		
72/ 71				.2	.3	.5	.2	.4	.4	.2								22	22		
70/ 69				.3	.6	1.2	.9	1.5	.4	.6								52	52		
68/ 67		.5	.5	1.3	1.2	1.2	.8	.9	.4									63	63	2	2
66/ 65		.6	1.2	.5	1.5	1.3	1.9	.3	.2									71	71	7	4
64/ 63	.6	1.1	2.8	2.8	2.5	2.6	1.0	.2										126	126	24	16
62/ 61	.2	1.4	1.3	2.6	3.4	2.3	1.5	.1										119	119	67	12
60/ 59	.2	2.6	1.9	4.8	3.2	1.0	.4	.2										134	134	82	39
58/ 57	.2	1.6	3.0	2.8	1.3	1.2	.3											97	97	113	61
56/ 55		1.3	2.2	2.7	1.6	.4	.2											78	78	136	63
54/ 53		.6	1.0	3.0	.6	.6												55	55	157	73
52/ 51		.5	2.3	1.5	.6	.4												50	50	123	85
50/ 49	.3	.2	1.3	.6	.6	.2												31	31	81	100
48/ 47			.2	.4	.3													9	9	66	100
46/ 45																				37	126
44/ 43			.2															2	2	17	82
42/ 41		.1																1	1	16	55
40/ 39																				2	27
38/ 37																					42
36/ 35																					17
34/ 33																					14
32/ 31																					9
30/ 29																					4
TOTAL	1.6	10.6	17.8	23.7	18.0	12.9	7.2	4.3	2.4	1.1	.3	.1						930	930		930
																				930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4291265	61439	66.1	15.816	930							
Dry Bulb	3458326	56440	60.7	5.968	930			15.7	2.0			93
Wet Bulb	2735143	50213	54.0	5.085	930			.2				93
Dew Point	2235196	45126	48.5	7.003	930		1.2	.2				93

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91															.1			1	1		
90/ 89															.1	.1		2	2		
88/ 87													.1					1	1		
86/ 85											.1	.2	.3					6	6		
84/ 83									.1		.1	.2						4	4		
82/ 81									.1		.1	.2		.1				5	5		
80/ 79								.1		.6	.5							12	12		
78/ 77							.3	.1	.5	.8	.8	.2						25	25		
76/ 75					.3	.1	.8	.1	1.2	.6	.3							32	32		
74/ 73			.2		.2	.8	1.4	2.5	.6	.4	.1							58	58		
72/ 71		.1		.2	1.1	1.9	1.4	1.3	1.0		.1							66	66		
70/ 69		.3	.3	1.5	1.1	1.6	2.8	1.3	.9	.1	.1							93	93	3	2
68/ 67	.1	.2	1.0	1.7	3.0	1.5	1.9	1.0	.2	.2								101	101	11	5
66/ 65	.1	.5	1.6	1.7	1.6	2.7	1.3	.4	.1									94	94	25	5
64/ 63	.3	1.2	1.4	2.8	2.8	2.6	1.1	.5	.2									120	120	65	18
62/ 61		1.0	1.3	1.4	3.7	1.7	.6	.2										92	92	116	26
60/ 59		1.1	1.0	1.9	2.3	1.0	.2	.1										70	70	152	50
58/ 57	.3	.8	1.1	1.6	1.0	1.1	.2	.1										57	57	139	69
56/ 55		.4	.9	1.4	.5	.1	.1											32	32	128	78
54/ 53		.6	.9	1.1	.3	.3												30	30	99	79
52/ 51		.3	.6	.3	.2	.1												15	15	83	91
50/ 49		.3	.4		.3													10	10	51	123
48/ 47			.2	.1														3	3	34	108
46/ 45			.1															1	1	10	92
44/ 43																				12	66
42/ 41																				2	43
40/ 39																					28
38/ 37																					18
36/ 35																					13
34/ 33																					7
32/ 31																					8
30/ 29																					1
TOTAL	.9	6.9	11.0	15.8	18.4	15.5	12.2	7.7	4.9	2.8	2.3	.9	.4	.1	.2	.1		930	930		930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3602632	55718	59.9	16.872	930							
Dry Bulb	4033971	60895	65.5	7.087	930			40.6	14.6	2.4		93
Wet Bulb	3015074	52748	56.7	5.008	930			1.4				93
Dew Point	2174380	46554	50.1	6.000	930		.9	.7				93

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101																	.1	1	1		
100/ 99																.1	.1	2	2		
98/ 97																.1		1	1		
96/ 95														.1			.5	6	6		
94/ 93													.1	.2	.5	.2	.5	15	15		
92/ 91													.5	.3	.2	.5		15	15		
90/ 89									.1		.1	.3	.8	.4	.4			20	20		
88/ 87									.1		.3	.5	.6	.6	.4			25	25		
86/ 85							.1		.3	.9	.9	1.1	1.0	.6				45	45		
84/ 83						.3	.1	.3	.2	.3	1.1	1.4	.6	.3				44	44		
82/ 81						.4	.5	.5	1.2	1.2	1.3	1.0	.2	.2				61	61		
80/ 79				.1	.5	.3	1.0	1.3	1.6	1.7	1.8	.5	.3					86	86		
78/ 77				.1	.3	1.2	.3	1.7	2.3	1.7	.4	.4	.1					80	80		
76/ 75		.1			.5	1.3	1.2	2.7	2.0	1.6	.6	.1						95	95		
74/ 73				.2	.9	1.4	1.8	2.3	1.2	.4		.4						80	80	9	
72/ 71				.4	1.0	1.7	1.4	1.6	1.1	.4	.2							73	73	12	3
70/ 69		.1	.1	.9	1.7	1.4	1.5	1.5	1.2	.2	.1							81	81	30	5
68/ 67		.1	.3	.4	1.4	.6	1.2	1.0	.2									49	49	65	10
66/ 65		.1	.4	.4	.8	1.5	1.2	1.1	.1	.1								53	53	91	11
64/ 63		.1	.2	.4	1.0	.6	.5	.5	.1									33	33	142	37
62/ 61		.2	.1	.3	.6	.3	.4	.1										20	20	176	24
60/ 59		.2	.1	.2	.2	.6	.1											14	14	130	56
58/ 57		.2	.4	.4	.3													13	13	80	68
56/ 55		.2			.3													5	5	85	82
54/ 53		.3		.1		.3												7	7	46	99
52/ 51			.3	.2														5	5	35	84
50/ 49			.1															1	1	16	108
48/ 47																				7	73
46/ 45																				3	77
44/ 43																				3	55
42/ 41																					53
40/ 39																					40
38/ 37																					23
36/ 35																					6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
34/ 33																					5
32/ 31																					7
30/ 29																					1
28/ 27																					1
TOTAL		1.7	2.2	4.3	9.6	12.2	11.4	14.6	11.7	8.6	6.9	5.8	4.3	2.9	1.6	1.0	1.3	930	930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2178470	42408	45.6	16.228	930							
Dry Bulb	5312148	69824	75.1	8.668	930			77.9	57.6	28.0	2.5	93
Wet Bulb	3459439	56519	60.8	5.146	930			11.6	.9			93
Dew Point	2461210	47325	50.9	7.552	930		.9	1.8				93

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. = W.B.	Dry Bulb	Wet Bulb	Dew Point
108/107																	.2	2	2		
106/105																	.1	1	1		
102/101																	.3	3	3		
100/ 99																.1	1.3	13	13		
98/ 97																.3	1.4	16	16		
96/ 95														.4	.2	1.1	.8	23	23		
94/ 93												.1	.2	.2	.9	.6	.3	22	22		
92/ 91										.1	.3	.3	.5	1.1	1.5	1.2		47	47		
90/ 89										.1	.9	.5	.6	1.0	.4	.2		35	35		
88/ 87									.2	.4	1.3	.8	1.6	1.1	.8	.2		56	56		
86/ 85							.3	.8	.2	.5	2.0	1.7	1.9	1.4	.1			84	84		
84/ 83							.5	.8	.9	1.8	1.1	1.5	1.1	.5	.1			77	77		
82/ 81						.2	.8	1.0	.6	1.0	2.7	1.1	.3	.2				73	73		
80/ 79						.5	1.1	.9	1.8	2.6	1.7	1.0	.2	.1				92	92		
78/ 77						.5	.9	1.0	2.4	2.2	.9	.2	.1					75	75		
76/ 75					.3	1.0	.5	1.5	1.8	1.6	.8		.2					68	68	2	
74/ 73					.4	1.4	1.0	1.1	.9	1.3	.2		.1					59	59	4	
72/ 71				.1	.2	1.3	.6	.6	1.1	.6		.1						44	44	30	
70/ 69			.2	.3	.5	.6	1.1	1.0	.8	.4								46	46	50	2
68/ 67			.2	.3	.2	.8	.9	.4	.9									31	31	88	8
66/ 65			.3	.2	.2	.4	.3	.4										18	18	124	23
64/ 63			.5	.4		.2	.3	.2										16	16	161	24
62/ 61			.1		.2	.1	.4	.1										9	9	169	30
60/ 59		.1	.2	.1		.1												5	5	111	49
58/ 57			.1	.1	.3	.1	.1											7	7	77	67
56/ 55				.1	.2	.1												4	4	49	77
54/ 53		.3		.1														4	4	27	68
52/ 51																				23	80
50/ 49																				10	98
48/ 47																				3	108
46/ 45																				2	77
44/ 43																					55
42/ 41																					63
40/ 39																					54

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PAGE 2 1200-1400 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
38/ 37																					24
36/ 35																					11
34/ 33																					5
32/ 31																					2
30/ 29																					2
28/ 27																					2
26/ 25																					1
TOTAL		.4	1.7	1.8	2.7	7.1	8.8	9.7	11.1	12.7	11.8	7.3	7.0	6.0	3.7	3.6	4.4		930		930
																		930		930	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1555933	35319	38.0	15.199	930							
Dry Bulb	6059420	74580	80.2	9.197	930			86.7	74.6	50.2	8.0	93
Wet Bulb	3623613	57873	62.2	8.892	930			17.4	.6			93
Dew Point	2384735	46657	50.2	7.625	930		.7	1.0				93

669-052

USAFETAC FORM 0-26-3 :OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
108/107																	.1	1	1		
104/103																	.2	2	2		
102/101																	.6	6	6		
100/ 99																.2	1.1	12	12		
98/ 97																.6	1.3	18	18		
96/ 95												.1			.2	.5	1.2	19	19		
94/ 93													.2	.6	1.2	.3	1.1	32	32		
92/ 91											.3	.5	.4	.5	1.6	1.1	.3	45	45		
90/ 89										.1	.4	1.0	1.2	1.3	.9		.1	46	46		
88/ 87										.4	1.3	1.6	1.0	1.9	.8	.2		67	67		
86/ 85							.1	.2	.5	.4	2.0	1.9	2.2	.8	.1			77	77		
84/ 83						.2	.2	.8	.8	1.1	2.3	2.3	1.0	.3	.1			83	83		
82/ 81						.4	.5	.5	1.0	.5	2.4	1.6	.5	.6				76	76		
80/ 79					.3	.2	.5	.9	.8	1.3	1.6	.6						58	58		
78/ 77					.1	.9	.6	1.3	.9	1.6	2.3	.6	.1	.2				80	80		
76/ 75			.2		.2	1.1	1.6	.9	1.8	1.1	.3			.1				68	68		
74/ 73			.1	.2	.8	.6	1.5	.6	1.5	1.0	.2	.2						63	63	5	
72/ 71				.3	.1	.5	1.5	.3	1.1	.1	.4	.1						42	42	29	1
70/ 69				.2	.2	.5	1.4	1.0	.5	.5	.1							42	42	32	3
68/ 67					.3	.3	1.0	.4	.2									21	21	87	9
66/ 65			.2	.5	.8	.4	.3	.4										25	25	139	17
64/ 63		.2	.4	.3	.1	.4	.2	.1										17	17	175	20
62/ 61		.2	.2	.1	.2	.1	.2	.2	.1									13	13	149	33
60/ 59			.1	.2		.3												6	6	126	37
58/ 57			.1	.1	.2	.1												5	5	73	56
56/ 55			.1															1	1	50	81
54/ 53		.3																3	3	26	81
52/ 51																				26	66
50/ 49																				8	89
48/ 47																				2	99
46/ 45																				1	110
44/ 43																					59
42/ 41																					62
40/ 39																					44

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 IOL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
38/ 37																					21
36/ 35																					18
34/ 33																					9
32/ 31																					6
30/ 29																					5
28/ 27																					1
26/ 25																					1
TOTAL		.8	1.5	2.0	3.3	6.3	9.8	7.7	9.2	8.2	13.7	10.7	6.6	6.5	4.8	3.0	6.0		928		928
																		928		928	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	1512285	34409	37.1	15.971	928							
Dry Bulb	6106952	74788	80.6	9.275	928			86.0	75.5	51.5	9.0	93
Wet Bulb	3602352	57654	62.1	8.699	928			15.3	.5			93
Dew Point	2339458	46036	49.6	7.753	928		1.3	1.3				93

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99																	.1	1	1		
96/ 95																	.1	1	1		
94/ 93													.1		.2	.3	.1	7	7		
92/ 91													.1	.2		.2		5	5		
90/ 89												.4		.2	.3	.6		15	15		
88/ 87										.1	.5	.9	.8	.3	.3	.1		28	28		
86/ 85								.1	.1	.1	.4	1.0	1.1	1.1	.1			37	37		
84/ 83								.1	.4	.8	1.2	1.0	.8	.3				42	42		
82/ 81									.6	1.0	2.3	1.0	.4	.2				51	51		
80/ 79					.1	.2	.8	1.2	1.2	1.7	1.8	1.1	.3	.1				79	79		
78/ 77					.5	.6	.2	1.2	1.9	2.8	1.3	.6	.2					88	88		
76/ 75			.1	.2	.4	.5	1.5	.8	1.6	1.0	.6	.4						67	67		
74/ 73				.2	1.5	1.9	1.1	1.5	2.6	1.1	.1							93	93		
72/ 71			.5	.6	.8	1.4	.8	2.5	.9	.1	.2							72	72	8	1
70/ 69		.2	.1	.9	1.3	1.4	1.2	2.3	1.1	.8	.2							87	87	15	
68/ 67		.2	.4	.8	1.9	1.2	1.5	1.1	.3	.3								72	72	47	8
66/ 65			.4	.6	1.2	1.3	1.2	.4	.1	.1								50	50	83	16
64/ 63			.8	1.0	1.1	1.2	.3	.8	.3	.1								51	51	122	20
62/ 61		.5	.8	.2	.8	.8	.3		.1									32	32	141	29
60/ 59		.2	.2	.4	.6	.3	.1	.3										21	21	165	43
58/ 57		.1		.5	.3	.4	.1											14	14	127	61
56/ 55				.4	.5		.2											11	11	88	88
54/ 53						.1												1	1	58	74
52/ 51		.3																3	3	35	59
50/ 49			.1															1	1	20	107
48/ 47																				12	118
46/ 45																				6	93
44/ 43																				2	56
42/ 41																					53
40/ 39																					31
38/ 37																					29
36/ 35																					16
34/ 33																					12
32/ 31																					12

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
30/ 29																					2
28/ 27																					1
TOTAL		1.6	3.4	5.9	11.1	11.4	9.3	12.2	11.3	9.9	8.7	6.4	3.8	2.5	1.0	1.3	.3	929	929	929	929

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2234679	42721	46.0	17.061	929							
Dry Bulb	5097411	68389	73.6	8.233	929			74.6	51.5	22.9	.9	93
Wet Bulb	3333133	55459	59.7	4.910	929			7.0				93
Dew Point	2342248	46180	49.7	7.606	929		1.5	.9				93

USAFETAC FORM 0-26-3 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87													.1					1	1		
84/ 83											.1							1	1		
82/ 81									.1	.2	.3	.2	.2					10	10		
80/ 79							.1		.5	.6	.4	.1	.2					19	19		
78/ 77						.1	.1	.8	.8	.8	.6	.2						31	31		
76/ 75			.1		.4	.3	.3	1.5	1.0	.8	.2							43	43		
74/ 73				.2	1.0	.3	1.2	1.6	1.5	1.1	.3							67	68		
72/ 71			.2	.3	.5	1.0	.6	1.9	2.2	.4	.2							69	69	1	1
70/ 69			.4	1.2	1.1	1.8	2.7	2.6	1.0	.3								103	103	2	
68/ 67		.6	1.1	1.6	1.2	2.0	1.8	1.5	.1	.2								95	95	11	
66/ 65	.1	.8	1.6	1.9	2.0	3.7	1.8	.6	.8									124	124	38	12
64/ 63		.9	1.2	1.6	2.7	2.2	1.1	.3	.2									94	94	57	18
62/ 61		1.3	1.0	1.8	2.4	1.3	.8	.5	.3									87	87	111	34
60/ 59		1.0	1.1	1.6	2.0	1.7	.6	.2										77	77	121	46
58/ 57		.2	.5	1.4	1.3	.5	.1	.1										39	39	153	45
56/ 55		.6	.6	1.1	.9	.2	.1											33	33	154	83
54/ 53		.1	.2	.4	.5	.3	.3											18	18	99	75
52/ 51		.2		.3		.4												9	9	80	77
50/ 49	.3		.1	.1		.1												6	6	48	105
48/ 47			.2															2	2	30	107
46/ 45																				13	99
44/ 43																				7	77
42/ 41																				3	54
40/ 39																					29
38/ 37																					21
36/ 35																					17
34/ 33																					11
32/ 31																					14
30/ 29																					3
TOTAL	.4	5.7	8.4	13.7	16.1	16.1	11.7	11.7	8.4	4.4	2.3	.5	.5						929		928
																		928		928	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3265202	52776	56.9	16.869	928							
Dry Bulb	4122675	61581	66.3	6.617	929			48.0	17.3	2.1		93
Wet Bulb	3010535	52655	56.7	4.967	928			1.4				93
Dew Point	2311247	45811	49.4	7.328	928		1.7	.1				93

669-052

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
108/107																	.0	3	3		
106/105																	.0	1	1		
104/103																	.0	2	2		
102/101																	.1	10	10		
100/ 99																.1	.3	28	28		
98/ 97																.1	.3	35	35		
96/ 95												.0		.1	.1	.2	.3	49	49		
94/ 93												.0	.1	.1	.3	.2	.3	76	76		
92/ 91										.0	.1	.1	.2	.3	.4	.4	.0	113	113		
90/ 89									.0	.0	.2	.3	.3	.4	.3	.1	.0	118	118		
88/ 87									.0	.1	.4	.5	.5	.5	.2	.1		178	178		
86/ 85							.1	.1	.1	.2	.7	.7	.8	.5	.0			249	249		
84/ 83						.1	.1	.2	.3	.5	.7	.8	.4	.2	.0			252	252		
82/ 81						.1	.2	.3	.5	.5	1.1	.6	.2	.2				278	278		
80/ 79				.0	.1	.2	.4	.5	.8	1.1	1.0	.4	.1	.0				351	351		
78/ 77				.0	.1	.4	.3	.8	1.1	1.3	.8	.3	.1	.0				391	391		
76/ 75		.0	.1	.0	.3	.6	.8	1.1	1.2	.9	.4	.1	.0	.0				402	402	2	
74/ 73			.0	.1	.6	.8	1.1	1.4	1.1	.8	.1	.1	.0					460	461	18	
72/ 71		.0	.1	.3	.6	1.2	1.0	1.1	1.0	.3	.1	.0						432	432	80	6
70/ 69		.1	.2	.8	.9	1.2	1.6	1.6	.8	.4	.1							564	564	132	12
68/ 67	.0	.3	.5	.9	1.3	1.1	1.3	1.0	.3	.1								509	509	317	42
66/ 65	.0	.3	1.0	.9	1.2	1.7	1.2	.6	.2	.0								531	531	526	95
64/ 63	.2	.6	1.3	1.6	1.7	1.5	.7	.4	.1	.0								597	597	780	170
62/ 61	.0	.8	.8	1.2	1.7	1.1	.6	.2	.1									478	478	1016	217
60/ 59	.0	.8	.8	1.6	1.4	.8	.3	.1										438	438	1005	362
58/ 57	.1	.5	.9	1.3	.7	.6	.2	.0										321	321	873	488
56/ 55		.4	.6	1.1	.7	.2	.1											230	230	849	618
54/ 53	.0	.3	.3	.8	.3	.2	.0											152	152	654	627
52/ 51		.2	.5	.4	.2	.1												97	97	492	636
50/ 49	.1	.1	.3	.2	.2	.1												66	66	304	838
48/ 47			.1	.1	.0													15	15	205	814
46/ 45			.1															4	4	97	767
44/ 43			.0															2	2	53	526
42/ 41		.0																1	1	28	432

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_A	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

569-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) AUG (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
40/ 39																				2	289
38/ 37																					217
36/ 35																					114
34/ 33																					72
32/ 31																					61
30/ 29																					23
28/ 27																					5
26/ 25																					2
TOTAL	.5	4.3	7.6	11.1	12.0	12.0	10.2	9.4	7.8	6.3	5.8	4.0	2.8	2.2	1.4	1.1	1.5	7433	7434	7433	7433

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	25920699	382887	51.5	19.401	7433							
Dry Bulb	37907033	524939	70.6	10.627	7434			650.6	299.9	157.5	20.4	744
Wet Bulb	25637#44	434#12	58.4	5.786	7433			55.0	2.0			744
Dew Point	18750665	369271	49.7	7.385	7433		9.1	6.0				744

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PAGE 1 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77								.1		.1		.1						1	1		
76/ 75										.1		.1						1	1		
74/ 73									.4	.9	.4	.1						17	17		
72/ 71							.3	.1	.4	.3								11	11		
70/ 69					.3	.1	.3	.8	.1	.1								16	16		
68/ 67				.3		1.1	1.3	.6	.6	.2								37	37		
66/ 65			.7	.2	.6	.7	.8	.8	.6									38	38		
64/ 63			.2	.3	.9	.4	.9	1.2	.2	.1								32	39	1	
62/ 61		.1	.4	1.0	.8	1.0	1.1	.2	.2									44	44	15	
60/ 59		.2	.2	1.8	1.8	1.6	1.8	.4	.2									72	72	9	9
58/ 57		.9	.9	1.1	1.3	1.4	1.1	1.2	.1									73	73	49	6
56/ 55	.2	.6	.4	2.1	2.9	1.4	1.0	.3										81	81	64	13
54/ 53		.2	2.7	2.2	1.9	2.2	1.7	.4										102	102	64	21
52/ 51		.4	1.4	2.4	2.8	1.4	.9	.1										86	86	74	41
50/ 49		.8	2.2	2.6	2.0	.9												76	76	87	32
48/ 47		1.0	1.7	1.6	1.3	.8												57	57	99	47
46/ 45		.1	1.2	1.1	1.1	.3												35	35	117	77
44/ 43		.6	1.6	1.3	.8													42	42	88	70
42/ 41	.1	.6	1.3	.9														26	26	83	75
40/ 39	.1	.7	.8	1.1														24	24	69	77
38/ 37		.2	.4	.2	.1													9	9	34	99
36/ 35		.4	.2	.1														7	7	26	92
34/ 33			.1	.2														3	3	11	47
32/ 31				.1														1	1	6	68
30/ 29																				1	42
28/ 27																				2	39
26/ 25																				1	22
24/ 23																					12
22/ 21																					5
20/ 19																					3
16/ 15																					2
14/ 13																					1
TOTAL	.4	6.8	16.6	21.2	18.6	13.4	11.2	6.3	2.9	1.8	.4	.3						900	900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3343218	52849	58.7	16.338	900							
Dry Bulb	2742409	49103	54.6	8.398	900		.1	8.5	2.1			90
Wet Bulb	2026677	42299	47.0	6.559	900		1.0					90
Dew Point	1450403	35387	39.3	8.103	900		19.4					90

669-052

USAFETAC FORM 0-26-3 JUN 71 OL A1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — SEP MONTH

PAGE 1 — 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
80/ 79											.1								1	1		
78/ 77										.1	.2								3	3		
76/ 75												.1							1	1		
74/ 73										.1									1	1		
72/ 71								.1	.6	.1		.1							8	8		
70/ 69							.2	.1	.9	.3									14	14		
68/ 67						.6	.2	.4	.3	.3	.1								18	18		
66/ 65			.1		.1	.6	.6	.3		.1									16	16		
64/ 63		.4	1.0	.4	.3	.8	.7	.6	.1										39	39		
62/ 61			.3	.6	1.1	1.0	.9	.7											41	41	8	4
60/ 59	.2	.1	.6	1.1	2.4	1.2	1.8	.3	.2										72	72	14	6
58/ 57		.2	1.4	1.1	1.4	2.2	.6	.2	.1										66	66	20	6
56/ 55	.2	.9	1.1	1.7	1.9	1.9	1.6	.1											84	84	48	8
54/ 53		.6	2.9	2.7	2.1	1.7	.7												95	95	57	18
52/ 51		.2	1.1	1.9	1.7	1.3	1.0	.2											67	67	79	25
50/ 49		1.0	2.7	2.2	1.0	1.1	.3												75	75	89	34
48/ 47		1.4	2.9	3.1	2.0	.1													86	86	105	39
46/ 45		.7	1.7	2.0	2.2	.2													61	61	101	88
44/ 43			2.0	2.3	.8	.3													49	49	93	67
42/ 41	.1	.9	2.3	1.2	.3														44	44	75	83
40/ 39		.7	1.2	1.4	.1														31	31	82	75
38/ 37		.9	.3	.4															15	15	59	89
36/ 35	.1	.1	.2	.1															5	5	39	91
34/ 33		.2	.3																5	5	18	54
32/ 31				.2															2	2	7	81
30/ 29				.1															1	1	3	43
28/ 27																						30
26/ 25																					3	30
24/ 23																						18
22/ 21																						6
20/ 19																						2
16/ 15																						1
TOTAL	.7	8.3	22.2	22.7	17.6	13.0	8.4	3.1	2.2	1.1	.4	.2							900	900		900
																			900		900	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_X	No. Obs.
Rel. Hum.	3646847	55403	61.6	16.213	900
Dry Bulb	2546509	47309	52.6	8.148	900
Wet Bulb	1927321	41229	45.8	6.554	900
Dew Point	1411168	38894	38.8	8.052	900

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb		.3	4.6	.6			90
Wet Bulb		1.3					90
Dew Point		21.3					90

669-052

USAFETAC FORM 0-26-3 (OL-A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
86/ 85														.1					1	1		
82/ 81											.1	.2		.1					4	4		
80/ 79											.3	.3							6	6		
78/ 77									.2	.2	.1	.1	.1						7	7		
76/ 75								.4	.4	.6	.6	.1							19	19		
74/ 73					.1		.1	.1	.3	.1	.3	.1							11	11		
72/ 71					.1		.3	.2	.6	.2	.4	.1							18	18		
70/ 69				.1	.2	.6	.8	1.0	.9	.3	.4								39	39		
68/ 67				.1	.7	.2	.8	1.0	1.3	.2	.1								40	40		
66/ 65			.1	.2	.3	.4	.7	.4	.7	.3									29	29	2	
64/ 63		.2	.3	.3	1.3	1.1	.9	1.1	.4	.2									54	54	3	
62/ 61		.3	.2	.7	1.0	.9	1.4	.8	.8										55	55	19	4
60/ 59		.3	.4	1.3	1.6	1.9	.9	.9	.2										68	68	34	7
58/ 57		.9	.6	1.4	1.8	2.1	1.1	.2											73	73	39	6
56/ 55	.2	.2	.4	1.7	2.0	1.6	1.1	.2											67	67	70	17
54/ 53	.2	.6	2.2	1.3	3.8	1.0	.7	.1											89	89	67	24
52/ 51	.1	.3	2.0	1.4	1.3	1.2	.3												61	61	94	35
50/ 49		.8	2.1	1.3	1.3	1.0													59	59	100	37
48/ 47	.1	1.4	1.7	2.4	1.3	.8													70	70	102	60
46/ 45		.9	.9	2.8	1.0	.1													51	51	114	80
44/ 43		.3	.7	1.4	.6	.1													28	28	66	74
42/ 41		.3	.6	.6		.1													14	14	64	87
40/ 39	.2	.4	1.1	.6	.1														22	22	56	76
38/ 37	.1	.1	.6	.2	.1														10	10	36	88
36/ 35		.1	.1	.1															3	3	18	75
34/ 33			.1	.1															2	2	11	60
32/ 31																					2	75
30/ 29																					2	39
28/ 27																					1	28
26/ 25																						16
24/ 23																						4
22/ 21																						4
20/ 19																						1
18/ 17																						2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

 0600-0800 (HOURS (L, S, Z))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
16/ 15																					1
TOTAL	1.0	7.3	14.1	18.2	18.7	13.1	9.1	6.6	5.9	2.2	2.4	1.0	.1	.2					900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3252326	51668	57.4	17.840	900							
Dry Bulb	2937667	50721	56.4	9.386	900			14.5	4.8	.6		90
Wet Bulb	2124198	43314	48.1	6.640	900		.5					90
Dew Point	1502722	36076	40.1	7.937	900		17.0					90

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
98/ 97																	.3	3	3		
96/ 95																.2	.3	5	5		
94/ 93																.1	.2	3	3		
92/ 91														.1	.2	.1	.2	6	6		
90/ 89												.1	.1	.4	.1	.3	.1	11	11		
88/ 87												.3	.3	.4	.3	.6		18	18		
86/ 85										.1	.3	.6		.6	.6			19	19		
84/ 83									.1	.1	.3	.4	.4	.8	.4			24	24		
82/ 81								.1		.4	.9	.4	.4	.6	.1			27	27		
80/ 79							.1	.4	.6	.6	.4	.8	.6	.4				35	35		
78/ 77							.1	.3	.1	1.0	1.6	1.4	.4					45	45		
76/ 75						.2	.6	.6	.6	1.6	1.1	1.1	.6	.2				58	58		
74/ 73					.1		.6	.6	.9	2.1	.6	.4						47	47		
72/ 71						.7	.6	.8	1.4	1.0	1.1	.3						53	53		
70/ 69					.4	.1	.9	1.1	1.3	1.8	.7	.1						58	58		
68/ 67				.1	.7	.9	.8	.7	1.3	.8	.1							48	48	7	
66/ 65				.2	.6	.7	1.2	1.1	.8	.3	.1							45	45	29	
64/ 63			.2	.4	.4	1.0	1.8	1.7	1.0	.6								64	64	42	
62/ 61		.1	.6	.3	.4	2.1	1.4	1.4	.4	.2								64	64	50	1
60/ 59				.1	1.2	1.3	1.1	1.0	.8	.1								51	51	69	8
58/ 57		.2	.2	1.0	1.0	1.3	1.0	.2										45	45	97	25
56/ 55		.1	.3	.8	.7	.3	.6	.9										33	33	94	23
54/ 53	.2	.3	1.1	1.0	.9	1.0	.4											45	45	92	33
52/ 51		.2	1.2	.3	.4	.9	.4	.1										33	33	130	28
50/ 49		.2	.7	.4	.6	.3												20	20	81	43
48/ 47		.2	.9	.2	.2	.1	.1											16	16	69	65
46/ 45		.2	.2	.2	.1													7	7	46	89
44/ 43		.3	.2	.2	.1													8	8	44	83
42/ 41		.1	.2															3	3	28	80
40/ 39			.7															6	6	8	83
38/ 37																				9	72
36/ 35																				5	63
34/ 33																					70
32/ 31																					53

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A (JUN 71) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION ELLSWORTH AFB SD STATION NAME 73-82 YEARS SEP MONTH

PAGE 2 0900-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
30/ 29																					37
28/ 27																					22
26/ 25																					10
24/ 23																					4
22/ 21																					6
20/ 19																					2
TOTAL	.2	2.1	6.6	5.4	7.9	11.0	11.7	11.0	9.3	10.7	7.2	6.1	2.9	3.6	1.8	1.3	1.2	900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1945370	38436	42.7	18.386	900							
Dry Bulb	4178504	60444	67.2	11.509	900			46.0	30.1	13.8	1.1	90
Wet Bulb	2589993	47923	53.2	6.519	900			.7				90
Dew Point	1588055	37101	41.2	8.076	900		13.8					90

FORM 0-26-3 :OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71
669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103																	.1	1	1		
102/101																	.6	5	5		
100/ 99																	.4	4	4		
98/ 97																	1.0	9	9		
96/ 95														.1		.3	.8	11	11		
94/ 93														.3	.3	.2	.8	15	15		
92/ 91													.1	.3		.2	.8	13	13		
90/ 89											.1		.2	.7	.4	1.1	.4	27	27		
88/ 87										.1	.2	.3	.4		.8	.8		24	24		
86/ 85										.1	.6	.3	.8	.9	1.1	.1		35	35		
84/ 83										.3	.7	.6	1.3	1.7	.8			48	48		
82/ 81								.1	.7	.4	.9	.7	1.7	1.2	.2			53	53		
80/ 79								.2	1.2	.4	1.0	1.2	1.2	.9	.1			57	57		
78/ 77							.1	.6	.4	1.1	.8	1.3	.8	.1				47	47		
76/ 75							.4	.6	.7	.1	1.4	1.1	.3	.1				43	43		
74/ 73						.4	.3	.8	1.2	1.6	2.0	.9						65	65		
72/ 71						.4	.3	1.1	1.6	.9	.6	.2						46	46		
70/ 69					.2	.1	.7	.6	1.4	.7	.9	.3	.1					45	45	3	
68/ 67					.2	.4	.7	1.8	.6	.7	.9	.1						48	48	16	
66/ 65				.1	.1	.3	2.2	.9	1.4	1.0	.1							56	56	43	
64/ 63			.1	.3	.6	.8	1.6	.9	1.3	.3	.1							54	54	65	
62/ 61			.1	.3	.1	1.2	.7	.6	1.1	.2								39	39	65	
60/ 59			.1	.1	.9	.3	.6	.8	.1									26	26	93	4
58/ 57			.2	.6	.2	1.0	.6	.9	.1									32	32	103	28
56/ 55		.1	.3	.2	.3	1.1	.6	.4	.1									29	29	107	24
54/ 53		.2	.2	.2		.8	.4	.1										18	18	120	29
52/ 51		.2	.6	.1	.3	.6												16	16	68	30
50/ 49		.1	.6		.2		.1											9	9	54	51
48/ 47		.1	.8		.2													10	10	59	66
46/ 45		.2	.1	.2														5	5	45	54
44/ 43		.2		.2														4	4	32	73
42/ 41			.4															4	4	12	81
40/ 39			.2															2	2	9	85
38/ 37																				5	73

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
36/ 35																			1	75
34/ 33																				79
32/ 31																				62
30/ 29																				36
28/ 27																				20
26/ 25																				15
24/ 23																				8
22/ 21																				4
20/ 19																				2
16/ 15																				1
TOTAL		1.2	3.8	2.4	3.4	7.6	9.2	10.2	12.0	8.0	10.2	7.1	7.0	6.3	3.8	2.8	4.9	900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1397172	32002	35.6	16.982	900							
Dry Bulb	4841553	65083	72.3	12.259	900			59.6	45.7	27.2	4.5	90
Wet Bulb	2768242	49570	55.1	6.505	900			1.9				90
Dew Point	1549299	36601	40.7	8.225	900		14.8					90

669-052

USAFETAC FORM 0-26-3 JUL 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103																	.1	1	1		
102/101																	.2	2	2		
100/ 99																	.4	4	4		
98/ 97																	1.0	9	9		
96/ 95																.1	1.0	10	10		
94/ 93														.4	.3	.2	1.3	21	21		
92/ 91															.3	.4	1.0	16	16		
90/ 89														.3	.8	.3	.4	17	17		
88/ 87											.1		.9	.6	1.0	.6	.1	29	29		
86/ 85										.1	.4	.4	.8	1.2	.3	.6		35	35		
84/ 83									.2	.7	1.4	.3	.4	1.7	1.4	.2		58	58		
82/ 81									.3	.6	1.1	.6	1.8	1.2	.2			52	52		
80/ 79								.1	.7	1.3	.8	.9	1.1	.7				50	50		
78/ 77						.1	.3	.7	.3	.3	1.0	2.1	1.6	.2				60	60		
76/ 75						.1	.3	.2	.6	1.3	.8	1.4	.3					46	46		
74/ 73							.6	.3	.6	2.1	1.1	1.1	.2					54	54		
72/ 71					.2	.2	.3	.7	.7	1.4	1.1	.4	.1					47	47		
70/ 69				.1	.2		.7	.6	1.1	1.2	.9	.1	.1					45	45	2	
68/ 67				.1		.6	.2	1.0	.3	1.9	.7	.1						44	44	11	
66/ 65				.1	.1	.4	.9	1.9	1.1	1.1	.1							52	52	35	
64/ 63				.3		1.1	.8	.9	1.0	.7								43	43	75	
62/ 61		.2	.1		.3	1.4	1.1	1.0	.7	.2								46	46	73	3
60/ 59		.1		.3	.2	.8	1.0	.8										29	29	81	6
58/ 57		.1	.2	.2	.9	.4	1.3	.7	.3									38	38	100	20
56/ 55		.1	.3	.4	.1	.7	.4	.3	.3									25	25	103	23
54/ 53			.8	.3		.4	.2	.1										17	17	105	17
52/ 51		.1	.1	.1	.3	.6	.1											12	12	82	38
50/ 49		.2	.7	.2	.2													12	12	77	37
48/ 47			.6		.4													9	9	53	47
46/ 45				.2														2	2	49	58
44/ 43		.4	.6	.2														11	11	18	74
42/ 41		.2	.2															4	4	16	85
40/ 39																				18	85
38/ 37																				2	83

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 OL A (JUN 71) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

 1500-1700 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
36/ 35																					77
34/ 33																					62
32/ 31																					78
30/ 29																					49
28/ 27																					24
26/ 25																					18
24/ 23																					5
22/ 21																					5
20/ 19																					4
18/ 17																					2
TOTAL		1.6	3.6	2.8	3.1	6.9	8.3	9.2	8.2	13.0	9.6	7.6	7.3	6.3	4.4	2.4	5.7	900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1338756	31148	34.6	17.031	900							
Dry Bulb	4853702	65162	72.4	12.292	900			60.0	46.4	28.1	4.7	90
Wet Bulb	2742800	49342	54.8	6.472	900			1.3				90
Dew Point	1491791	35805	39.9	8.263	900		18.5					90

669-052

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
92/ 91															.2	.1		3	3		
90/ 89															.1	.2		3	3		
88/ 87													.1		.3			4	4		
86/ 85												.2	.1	.4	.1			8	8		
84/ 83											.1	.4	.4	.3				12	12		
82/ 81								.1		.1	.2	.2	.7	.3	.1			16	16		
80/ 79								.1	.3	.9	.3	.3	.4	.2				24	24		
78/ 77								.1	.9	.6	.6	.9	.2	.1				30	30		
76/ 75							.3	.6	.7	.3	1.3	.7	.6	.1				41	41		
74/ 73						.3	.7	.8	.6	1.0	1.1	.2	.2					44	44		
72/ 71					.1	.4	.7	1.3	.6	1.1	.8	1.0						54	54		
70/ 69					.3	.9	.7	.8	1.7	2.7	.7	.2						71	71		
68/ 67				.1	.7	.6	.4	1.8	1.3	1.0	.2							55	55	1	
66/ 65				.6	.7	.9	1.0	1.2	1.7	1.3	.1							67	67	4	
64/ 63			.1	.1	.6	.9	2.2	1.3	1.7	.7								68	68	26	
62/ 61		.1	.2	.2	.4	1.2	1.1	1.3	.6	.2								49	49	49	
60/ 59	.1	.4		.4	.9	1.0	1.1	1.2	.9	.2								57	57	63	4
58/ 57			.2	.7	1.8	1.1	1.0	1.2	.1									55	55	60	22
56/ 55		.3	.1	1.3	1.4	1.2	1.4	.4	.1									58	58	75	26
54/ 53			1.4	.9	1.4	.4	.8	.6										50	50	93	19
52/ 51		.1	.3	.9	.7	.9	.3	.1										30	30	117	27
50/ 49		.3	1.2	.6	.6	.8	.4	.1										36	36	100	47
48/ 47		.3	.8	.9	1.2													29	29	91	45
46/ 45		.3		.3	.6	.1	.1											13	13	77	60
44/ 43			.4	.1	.1	.1												7	7	52	66
42/ 41		.8	.4		.1	.1												13	13	35	97
40/ 39		.1	.2															3	3	35	84
38/ 37																				14	83
36/ 35																				5	82
34/ 33																				3	41
32/ 31																					58
30/ 29																					44
28/ 27																					37
26/ 25																					32

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
24/ 23																					7
~~22/ 21~~																					4
20/ 19																					9
~~18/ 17~~																					3
16/ 15																					3
TOTAL	.1	2.9	5.6	7.1	11.6	11.0	12.3	13.1	11.0	10.1	5.4	4.2	2.8	1.6	.9	.3			900		900
																	900	900			

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2070365	40057	44.5	17.883	900							
Dry Bulb	3753897	57377	63.8	10.333	900			36.5	18.5	5.5		90
Wet Bulb	2396171	46067	51.2	6.519	900			.1				90
Dew Point	1475820	35612	39.6	8.613	900		19.7					90

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81														.1				1	1		
80/ 79												.1		.1				2	2		
78/ 77									.2	.3	.4	.7	.1					16	16		
76/ 75								.6	.6	.7	.7	.1						23	23		
74/ 73							.1	.2	.3		.1							7	7		
72/ 71					.1	.2	.2	.3	.4	.6	.1	.2						20	20		
70/ 69				.1	.6	1.0	.7	.6	.4	.2								32	32		
68/ 67			.1	.2	.6	.4	1.2	1.1	1.1	.2	.1							46	46		
66/ 65			.1	.2	.8	.6	.7	1.3	.9	.2								43	43		
64/ 63				.8	.9	.8	.9	1.6	.8	.8								58	58	5	
62/ 61			.2	1.2	1.3	1.4	2.2	.9	.8									73	73	17	
60/ 59		.4	.1	.7	1.4	1.4	1.8	.6	1.1									68	68	35	5
58/ 57	.2	.4	.8	.7	1.8	1.8	2.0	1.2	.1									81	81	49	12
56/ 55		.6	1.4	2.8	1.7	1.2	.6	.6										88	88	70	18
54/ 53			.7	1.6	2.9	.9	1.6											68	68	68	24
52/ 51			1.1	2.2	1.6	1.2	1.2											66	66	86	33
50/ 49		.6	1.9	1.6	1.0	1.0	.1											55	55	99	41
48/ 47		.6	1.1	2.1	1.1	.9	.2											54	54	100	40
46/ 45		.6	.7	1.9	.2	.6												35	35	113	75
44/ 43			.9	1.2	.6													24	24	81	69
42/ 41		.7	.6	.3														14	14	67	71
40/ 39	.1	.8	.3	.1	.3	.2												17	17	58	100
38/ 37			.4	.1														5	5	29	97
36/ 35		.2			.1													3	3	11	78
34/ 33		.1																1	1	5	54
32/ 31																				6	57
30/ 29																				1	33
28/ 27																					42
26/ 25																					31
24/ 23																					5
22/ 21																					4
20/ 19																					8
16/ 15																					2
14/ 13																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	.3	4.9	10.4	17.8	16.9	13.7	14.4	8.9	6.8	3.0	1.4	1.1	.1	.2				900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2882022	48562	54.0	17.062	900							
Dry Bulb	3032571	51623	57.4	8.920	900			14.7	4.9	.3		90
Wet Bulb	2138990	43486	48.3	6.488	900		.7					90
Dew Point	1462105	35509	39.5	8.245	900		18.3					90

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) SEP (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103																	.0	2	2		
102/101																	.1	7	7		
100/ 99																	.1	8	8		
98/ 97																	.3	21	21		
96/ 95														.0		.1	.3	26	26		
94/ 93														.1	.1	.1	.3	39	39		
92/ 91													.0	.1	.1	.1	.3	38	38		
90/ 89											.0	.0	.0	.2	.2	.3	.1	58	58		
88/ 87										.0	.0	.1	.2	.1	.3	.2	.0	75	75		
86/ 85										.0	.2	.2	.2	.4	.3	.1		98	98		
84/ 83									.0	.1	.3	.2	.3	.6	.3	.0		142	142		
82/ 81								.0	.1	.2	.4	.3	.6	.4	.1			153	153		
80/ 79							.0	.1	.3	.4	.4	.5	.4	.3	.0			175	175		
78/ 77						.0	.1	.2	.3	.5	.6	.8	.4	.1				209	209		
76/ 75						.0	.2	.4	.4	.6	.7	.6	.2	.1				234	234		
74/ 73					.0	.1	.3	.3	.5	1.0	.7	.4	.1					246	246		
72/ 71					.1	.3	.3	.6	.8	.7	.5	.3	.0					257	257		
70/ 69				.0	.3	.3	.6	.7	1.0	.9	.4	.1	.0					320	320	5	
68/ 67			.0	.1	.3	.6	.7	1.0	.9	.7	.3	.0						336	336	35	
66/ 65			.1	.2	.4	.6	1.0	1.0	.9	.6	.1							346	346	113	
64/ 63		.1	.3	.4	.6	.9	1.2	1.2	.8	.4	.0							419	419	217	
62/ 61		.1	.3	.5	.7	1.3	1.3	.9	.6	.1								411	411	296	12
60/ 59	.0	.2	.2	.7	1.3	1.2	1.3	.8	.4	.0								443	443	398	49
58/ 57	.0	.3	.6	.8	1.3	1.4	1.1	.7	.1									463	463	517	125
56/ 55	.1	.4	.6	1.4	1.4	1.2	1.0	.4	.1									465	465	631	152
54/ 53	.1	.2	1.5	1.3	1.6	1.1	.8	.2										484	484	666	185
52/ 51	.0	.2	1.0	1.2	1.1	1.0	.5	.1										371	371	730	257
50/ 49		.5	1.5	1.1	.9	.6	.1	.0										342	342	687	322
48/ 47	.0	.6	1.3	1.3	1.0	.3	.0											331	331	678	409
46/ 45		.4	.6	1.1	.7	.2	.0											209	209	662	581
44/ 43		.2	.8	.9	.4	.1												173	173	474	576
42/ 41	.0	.4	.8	.4	.1	.0												122	122	380	659
40/ 39	.1	.3	.6	.4	.1	.0												105	105	335	665
38/ 37	.0	.2	.2	.1	.0													39	39	188	684

Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | SEP MONTH

 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
36/ 35	.0	.1	.1	.0	.0													18	18	105	633
34/ 33		.0	.1	.0														11	11	48	467
32/ 31				.0														3	3	21	532
30/ 29				.0														1	1	7	323
28/ 27																				3	242
26/ 25																				4	174
24/ 23																					63
22/ 21																					38
20/ 19																					31
18/ 17																					7
16/ 15																					12
14/ 13																					2
TOTAL	.3	4.4	10.3	12.2	12.2	11.2	10.6	8.6	7.3	6.2	4.7	3.5	2.5	2.3	1.4	.9	1.5	7200	7200	7200	7200

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	19876076	350124	48.6	19.897	7200							
Dry Bulb	28886812	446822	62.1	12.681	7200		.4	248.4	153.1	75.5	10.3	720
Wet Bulb	18714392	363230	50.4	7.360	7200		3.5	8.0				720
Dew Point	11833365	287085	39.9	8.220	7200		142.4					720

669-052

FORM 0-26-3 JUN 71 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SER[illegible]/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSW[illegible]H AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
70/ 69								.1			.1								2	2		
68/ 67								.2	.1	.2									5	5		
66/ 65									.3										3	3		
64/ 63								.2	.2	.1									5	5		
62/ 61							.5	.5	.6	.1									17	17		
60/ 59					.1	.2	.8	.2	.5	.1									18	18		
58/ 57				.1	.2	.3	.3	1.2	.4										24	24		
56/ 55				.2	.1	.6	1.0	.8											25	25	3	
54/ 53		.1	.5	.4	.9	1.2	2.3	.4	.1										55	55		
52/ 51			.5	.8	1.0	1.5	1.2												46	46	7	1
50/ 49		.1	.8	1.2	2.6	2.4	.5												70	70	28	
48/ 47		.3	1.4	3.2	1.5	1.0	.3												72	72	32	5
46/ 45		.5	2.2	3.6	3.2	.8													95	95	55	12
44/ 43		1.0	2.5	3.6	1.5	1.0													88	88	70	12
42/ 41		.8	2.7	2.6	.9	.1													65	65	138	22
40/ 39	.4	1.0	2.3	2.4	1.4	.1													70	70	114	41
38/ 37	.2	.8	2.5	1.7	.3	.1													52	53	112	59
36/ 35		2.8	2.2	1.7	.3														65	65	79	72
34/ 33	.3	1.1	3.1	1.2	.1														54	54	81	80
32/ 31	.4	.6	2.9	.5															42	43	67	130
30/ 29	.5	1.2	.9	.2															26	26	58	102
28/ 27		1.3	.5																17	17	43	101
26/ 25		.6	.1																7	7	27	86
24/ 23																					9	43
22/ 21		.3																	3	3		61
20/ 19		.1																	1	1	3	57
18/ 17		.1																	1	1	1	15
16/ 15																					1	16
14/ 13																						9
12/ 11																						3
10/ 9																						1
TOTAL	1.9	12.7	25.0	23.4	14.1	9.3	6.9	3.7	2.4	.5	.1								928	930	928	928

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3610874	55800	60.1	16.607	928							
Dry Bulb	1847976	40634	43.7	8.839	930		9.8	.7				93
Wet Bulb	1352893	34935	37.6	6.381	928		20.9					93
Dew Point	860627	27527	29.7	6.897	928		42.5					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
68/ 67								.1				.1						2	2		
66/ 65							.1	.2		.2	.1							6	6		
64/ 63								.1	.2	.3								6	6		
62/ 61							.3	.4	.2									9	9		
60/ 59							.6	.4	.3	.3								16	16		
58/ 57						.1	.8	1.5	.3									25	25		
56/ 55					.1	.8	.8	.8										22	22		
54/ 53			.2	.1	.5	1.0	.6	.3										26	26	2	
52/ 51		.1	.5	.6	1.0	1.4	1.5	.2										50	50	2	
50/ 49		.2	.8	.8	2.2	1.5	.6											56	56	10	
48/ 47		.3	1.5	1.9	2.8	1.3	.2											75	75	30	5
46/ 45		1.0	2.4	3.4	3.8	1.0												107	107	52	4
44/ 43		.4	1.5	3.0	2.6	.3												73	73	77	11
42/ 41	.3	.6	3.2	2.5	1.2	.2												75	75	109	17
40/ 39	.3	1.6	2.5	2.3	.2													64	64	108	38
38/ 37	.3	1.6	2.7	2.2	.9													71	71	140	46
36/ 35	.1	2.2	2.4	1.6	.1													59	59	91	78
34/ 33	.3	1.7	2.4	1.7														57	57	63	82
32/ 31	.6	1.2	3.2	.8														54	54	76	128
30/ 29	.3	1.5	1.7	.2														35	35	58	94
28/ 27		1.5	1.0															23	23	56	99
26/ 25		.6	.3															9	9	30	101
24/ 23		.3	.1															4	4	16	49
22/ 21																				4	63
20/ 19		.3																3	3		59
18/ 17		.3																3	3	3	23
16/ 15																				3	18
14/ 13																					7
12/ 11																					3
10/ 9																					3
8/ 7																					2
TOTAL	2.4	15.6	26.3	21.1	16.3	7.5	5.6	4.1	1.1	.9	.1	.1						930		930	
																			930		930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3747828	56972	61.3	16.656	930							
Dry Bulb	1752505	39529	42.5	8.825	930		13.1	.2				93
Wet Bulb	1293667	34175	36.7	6.381	930		24.6					93
Dew Point	825046	26966	29.0	6.815	930		68.9					93

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75												.1	.1					2	2		
74/ 73												.1						1	1		
70/ 69										.2	.2	.1						5	5		
68/ 67									.2	.2	.2							6	6		
66/ 65								.1	.2	.3	.1							7	7		
64/ 63							.1	.5	.8	.4	.1							18	18		
62/ 61							.3	.8	.2	.1								13	13		
60/ 59					.1		.6	1.4	.3									23	23		
58/ 57					.2	.6	.9	1.0										25	25		
56/ 55			.1	.1	.2	1.1	1.1	.3										27	27		
54/ 53		.2	.1	.4	.5	1.3	1.3	.1										37	37	4	
52/ 51		.1	.1	.4	1.7	2.0	1.3	.1										54	54	12	
50/ 49		.2	1.1	1.2	1.9	1.9	.8											66	66	28	3
48/ 47			1.7	1.8	2.4	1.2	.2											68	68	39	1
46/ 45		1.1	1.6	2.4	3.2	1.0	.1											87	87	71	5
44/ 43		.8	2.3	3.3	1.8	.1												77	77	86	14
42/ 41	.1	.8	2.5	2.8	1.5													71	71	100	24
40/ 39	.1	1.6	2.6	2.7	.9													73	73	103	31
38/ 37	.4	1.2	3.2	2.0	.2													66	66	119	61
36/ 35	.1	1.3	1.5	1.3	.3													42	42	91	90
34/ 33	.5	1.5	1.9	1.6														52	52	74	94
32/ 31	.4	1.5	2.5	.5														46	46	58	129
30/ 29	.4	1.4	1.4	.1														31	31	51	109
28/ 27		1.1	.8															17	17	45	87
26/ 25		.8	.2															9	9	30	89
24/ 23		.2																2	2	10	35
22/ 21		.1																1	1	4	63
20/ 19		.2	.1															3	3	1	48
18/ 17		.1																1	1	3	24
16/ 15																				1	15
14/ 13																					3
12/ 11																					3
8/ 7																					2

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	< 67 F	> 73 F	> 80 F	> 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PAGE 2 0600-0800 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	2.2	14.1	23.7	20.8	15.1	9.2	6.7	4.3	1.7	1.3	.6	.3	.1					930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3597161	55603	59.8	17.135	930							
Dry Bulb	1891422	40986	44.1	9.573	930		11.0	1.8	.3			93
Wet Bulb	1370951	35169	37.8	6.643	930		20.3					93
Dew Point	863521	27649	29.7	6.685	930		40.7					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

~~72625~~ STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — OCT MONTH

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89																.1		1	1		
~~86/ 85~~																.1		1	1		
84/ 83														.1	.1			2	2		
~~82/ 81~~													.2	.2	.2			6	6		
80/ 79												.1	.1	.4	.1			7	7		
~~78/ 77~~												.2	.9					10	10		
76/ 75											.4	1.0	.4	.1				18	18		
~~74/ 73~~										.2	.8	.9	.1					18	18		
72/ 71									.1	.5	1.4	.5						24	24		
~~70/ 69~~								.2	.3	1.4	1.6	.1						34	34		
68/ 67							.2	.6	1.8	1.4	.6	.1						45	45		
~~66/ 65~~						.1	.2	.8	1.8	1.3	.3							42	42		
64/ 63						.3	.4	.4	1.7	.4	.2							33	33		
~~62/ 61~~				.1	.1	.3	1.6	1.6	.6	.4								45	45		
60/ 59				.1	.3	.6	1.6	1.4	1.3	.2								52	52	1	
~~58/ 57~~			.1	.2	.5	.8	1.4	2.2	.6									54	54	5	
56/ 55				.2	.4	1.4	1.6	1.5	.3									51	51	24	
~~54/ 53~~				.1	.8	1.5	2.7	.5	.1									53	53	68	
52/ 51			.3	.6	1.5	1.1	1.9	.4	.1									56	56	78	3
~~50/ 49~~			.5	1.1	1.6	1.6	1.5	.1										60	60	82	
48/ 47		.1	1.2	1.3	1.5	1.2	.4											53	53	71	6
~~46/ 45~~		.3	1.0	1.7	1.6	1.2												54	54	86	11
44/ 43		.6	.5	1.0	.8	.6												33	33	111	17
~~42/ 41~~		.9	.5	.8	.5	.8												32	32	87	12
40/ 39	.3	1.3	1.3	1.1	.4	.1												42	42	88	65
~~38/ 37~~	.1	.3	1.4	.6	.2	.1												26	26	66	85
36/ 35	.2	1.1	.8	.6	.1													26	26	47	104
~~34/ 33~~	.3	.9	1.4	.2														26	26	40	90
32/ 31		.5	1.3	.3														20	20	28	133
~~30/ 29~~	.1	.1	.4															6	6	28	89
28/ 27																				17	66
~~26/ 25~~																				3	78
24/ 23																					44
~~22/ 21~~																					45

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PAGE 2 0900-1100 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
20/ 19																					39
18/ 17																					16
16/ 15																					3
14/ 13																					2
12/ 11																					2
TOTAL	1.1	6.1	10.8	10.1	10.4	11.7	13.7	9.8	8.9	5.9	5.4	2.9	1.7	.9	.4	.2			930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2351731	43081	46.3	19.577	930							
Dry Bulb	2851183	50245	54.0	12.126	930		2.6	16.6	6.3	1.3		93
Wet Bulb	1796001	40333	43.4	7.098	930		7.6					93
Dew Point	958678	29206	31.4	6.682	930		51.7					93

669-052

FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — OCT MONTH

PAGE 1 — 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
92/ 91																	.1		1	1		
90/ 89																	.4		4	4		
88/ 87															.1	.1			2	2		
86/ 85															.5	.2			7	7		
84/ 83														.1	.9	.2			11	11		
82/ 81												.1		1.4	.5				19	19		
80/ 79											.1	.2	1.4	.9	.1				25	25		
78/ 77										.1	.3	1.0	1.2	.3	.1				28	28		
76/ 75										.1	.4	1.5	.5						24	24		
74/ 73									.1	.4	1.1	.6	.2						23	23		
72/ 71								.2	.1	1.1	1.6	1.2	.2						41	41		
70/ 69								.6	1.1	1.1	2.3	.5							52	52		
68/ 67							.3	.8	1.6	1.5	.9	.3							50	50		
66/ 65					.2	.1	.4	1.0	1.0	1.0	1.0								43	43		
64/ 63						.1	.4	1.2	1.4	1.5	.2								45	45		
62/ 61				.2	.1	.2	.4	2.2	1.5	.8									50	50	1	
60/ 59					.4	.6	1.2	2.2	1.5										55	55	9	
58/ 57				.3	.8	1.4	.8	1.6	1.3	.2									59	59	33	
56/ 55					1.2	1.9	.8	1.4	.8	.1									57	57	66	
54/ 53				.2	.9	1.1	1.4	.4	.2										39	39	86	2
52/ 51		.1	.2	.8	.9	.8	1.6	.4											44	44	82	3
50/ 49		.1	.2	.5	.8	.6	1.4												34	34	87	
48/ 47			.2	.4	1.0	.8	1.5	.2											38	38	106	13
46/ 45		.3	.3	1.0	1.1	1.1	.3												38	38	92	16
44/ 43		.6	.6	.9	.6	.6													32	32	62	18
42/ 41		.5	.6	.6	.3	.4													24	24	66	36
40/ 39		1.0	1.4	.5	.2														29	29	69	70
38/ 37		.3	.9	.3															14	14	55	84
36/ 35	.3	.4	.5	.1															13	13	55	92
34/ 33	.2	.6	.5																13	13	29	86
32/ 31		.4	.8	.1															12	12	13	119
30/ 29		.1	.2																3	3	7	84
28/ 27		.1																	1	1	11	77
26/ 25																					1	72

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_s	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
24/ 23																					45
22/ 21																					52
20/ 19																					32
18/ 17																					18
16/ 15																					7
14/ 13																					3
12/ 11																					1
TOTAL	.5	4.7	6.6	6.0	8.4	9.8	10.5	12.2	10.5	7.8	7.8	5.5	3.5	2.7	2.3	.5	.5		930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	1845657	37189	40.0	19.645	930							
Dry Bulb	3396430	54878	59.0	13.048	930		1.6	28.7	16.4	5.8		93
Wet Bulb	1998220	42582	45.8	7.226	930		3.2					93
Dew Point	976370	29404	31.6	7.090	930		51.0					93

669-052

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91																	.1	1	1		
90/ 89																	.2	2	2		
88/ 87																.1		1	1		
86/ 85															.1	.4		5	5		
84/ 83													.1	.1	1.3	.2		16	16		
82/ 81														.6	.5			11	11		
80/ 79											.2		.5	1.0	.1			17	17		
78/ 77											.2	.8	.8	.3				19	19		
76/ 75											.3	.4	.1	.4				12	12		
74/ 73									.2	.3	.9	.9	.1					22	22		
72/ 71								.1	.2	.6	1.5	1.4	.2					38	38		
70/ 69								.4	.2	1.4	1.7	.4						39	39		
68/ 67								1.1	.8	1.7	1.0	.2						44	44		
66/ 65					.1	.1	.3	1.1	1.7	1.4	.6							50	50		
64/ 63						.2	.6	1.6	1.7	.9	.5							52	52		
62/ 61				.3		.1	1.1	1.5	1.1	1.0								47	47		
60/ 59				.1	.2	1.0	1.1	2.4	1.2	.4								59	59	6	
58/ 57				.6	.9	1.4	1.2	1.8	.6	.3								64	64	18	
56/ 55				.2	.4	1.4	1.8	1.3	1.0									57	57	52	
54/ 53		.2	.1	.4	.9	.5	.9	.6	.4									38	38	66	3
52/ 51			.1	.4	1.1	1.7	1.6	.2	.1									49	49	93	2
50/ 49				.6	1.3	1.3	1.3	.1										43	43	99	3
48/ 47		.1	.2	.9	1.5	1.4	1.1											48	48	89	6
46/ 45		.3	.8	1.1	.8	1.0	.2											38	38	81	21
44/ 43		.1	.6	1.6	.6	.8	.1											36	36	89	17
42/ 41		.6	1.0	.6	.5	.3												29	29	77	36
40/ 39		.2	.4	.6	.1	.2												15	15	71	49
38/ 37	.4	1.3	1.2	.4	.1													32	32	62	78
36/ 35	.1	.6	.9	.2														17	17	51	95
34/ 33	.2	.8	.3															12	12	39	82
32/ 31	.1	.2																3	3	16	130
30/ 29		.6	.8															13	13	7	106
28/ 27																				11	73
26/ 25			.1															1	1	2	74

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																				1	41
22/ 21																					44
20/ 19																					38
18/ 17																					12
16/ 15																					16
14/ 13																					4
TOTAL	.9	5.2	6.5	8.3	8.5	11.4	11.3	12.3	9.2	8.1	7.0	4.1	1.8	2.5	2.0	.8	.3	930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1974392	38758	41.7	19.662	930							
Dry Bulb	3213150	53368	57.4	12.738	930		1.7	22.7	10.6	4.4		93
Wet Bulb	1925834	41800	44.9	7.119	930		3.7					93
Dew Point	958723	29123	31.3	7.093	930		53.8					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
76/ 75												.1	.2						3	3		
74/ 73												.4	.1						5	5		
72/ 71										.2	.3	.5							10	10		
70/ 69									.2	.3	1.2								16	16		
68/ 67							.1	.1	.8	.2	.3								14	14		
66/ 65						.1		.3	.8	.9									19	19		
64/ 63						.1	.4	.1	1.4	.6									25	25		
62/ 61					.3	.3	.3	1.0	1.8										35	35		
60/ 59					.1	.8	1.2	1.4	.5										37	37		
58/ 57			.1	.2	.3	1.4	1.3	1.6	.2										48	48		
56/ 55		.2		.6	1.2	1.5	2.2	1.4	.3										69	69	3	
54/ 53			.1	.2	1.6	1.2	1.6	.2											46	46	21	3
52/ 51		.3	.6	1.1	2.2	1.5	1.6	.9											76	76	33	
50/ 49			1.1	1.0	3.2	1.6	.8	.3											74	74	57	1
48/ 47			.8	1.9	2.4	1.5	.5	.1											67	67	83	7
46/ 45		.2	1.2	2.6	1.2	1.5	.1												63	63	96	19
44/ 43		.3	1.3	1.7	1.0	.6	.1												47	47	90	16
42/ 41		1.3	2.0	1.8	1.9	.6	.1												73	73	116	26
40/ 39		1.0	1.4	1.3	1.1														44	44	98	58
38/ 37	.2	1.2	2.0	1.4	1.4														58	58	77	63
36/ 35	.3	.8	1.8	1.0	.2														38	38	74	97
34/ 33	.1	1.3	.9	.8															28	28	71	82
32/ 31	.6	.4	.6	.1															17	17	55	133
30/ 29		.9	.3																11	11	27	92
28/ 27		.4																	4	4	22	94
26/ 25																					4	68
24/ 23																						36
22/ 21		.1																	1	1		56
20/ 19		.2																	2	2	1	41
18/ 17																					2	20
16/ 15																						7
14/ 13																						7
12/ 11																						4

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	1.3	8.6	14.3	15.7	18.1	12.8	10.3	7.4	6.0	2.3	1.8	1.1	.3					930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2936448	49298	53.0	18.653	930							
Dry Bulb	2324673	45537	49.0	10.111	930		3.5	4.8	.8			93
Wet Bulb	1585125	37905	40.8	6.577	930		11.1					93
Dew Point	929358	28652	30.8	7.085	930		55.8					93

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.b	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
70/ 69								.2	.1	.2	.4							9	9		
68/ 67										.2	.1							3	3		
66/ 65								.2	.4	.2								8	8		
64/ 63						.1		.2	.9	.2								13	13		
62/ 61						.5	.6	.6	1.0									26	26		
60/ 59					.6	.2	.6	1.1	.6	.1								31	31		
58/ 57					.4	.4	.9	.9										24	24		
56/ 55		.1		.2	.5	.9	1.4	.8										36	36	2	
54/ 53		.2	.2	.3	1.6	1.2	1.4	.1										47	47	11	3
52/ 51			.3	.4	1.1	2.5	1.4	.1										54	54	17	
50/ 49		.3	.9	.8	2.5	1.9	.6	.1										66	66	28	
48/ 47		.5	1.8	2.9	2.9	.8	.9											91	91	43	4
46/ 45		.5	1.8	3.5	2.2	1.0												84	84	73	12
44/ 43		.4	2.3	2.8	1.8	.9												76	76	89	24
42/ 41	.1	.8	2.6	2.9	2.2	.4	.1											84	84	119	21
40/ 39	.1	1.2	2.5	2.0	.6	.1												61	61	124	43
38/ 37	.5	1.1	1.4	1.6	.6													49	49	89	58
36/ 35		1.1	2.5	1.3	.5													50	50	98	86
34/ 33	.3	1.2	1.9	1.1														42	42	69	99
32/ 31	.8	1.2	1.8	.5														40	40	63	128
30/ 29	.1	1.0	.8	.1														18	18	41	93
28/ 27	.1	1.1																11	11	41	102
26/ 25		.2	.1															3	3	16	76
24/ 23		.1																1	1	4	30
22/ 21		.1																1	1		65
20/ 19		.2																2	2	1	41
18/ 17																				2	21
16/ 15																					16
14/ 13																					3
12/ 11																					5
TOTAL	2.0	11.3	20.9	20.5	17.6	10.9	8.0	4.3	3.0	1.0	.5							930		930	930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3441422	54206	58.3	17.422	930							
Dry Bulb	1990957	42185	45.4	9.130	930		7.6	1.2				93
Wet Bulb	1434131	36029	38.7	6.424	930		16.8					93
Dew Point	998061	28169	30.3	6.948	930		58.0					93

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) OCT (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91																	.0	2	2		
90/ 89																.0	.1	7	7		
88/ 87															.0	.0		3	3		
86/ 85															.1	.1		13	13		
84/ 83													.0	.0	.3	.1		29	29		
82/ 81												.0	.0	.3	.2			36	36		
80/ 79											.0	.0	.3	.3	.0			49	49		
78/ 77										.0	.1	.2	.3	.1	.0			57	57		
76/ 75										.0	.1	.4	.2	.1				59	59		
74/ 73									.0	.1	.3	.4	.1					69	69		
72/ 71								.0	.1	.3	.6	.5	.1					113	113		
70/ 69								.2	.2	.6	.9	.1						157	157		
68/ 67							.1	.4	.7	.7	.4	.1						169	169		
66/ 65					.0	.1	.1	.5	.8	.7	.3							178	178		
64/ 63						.1	.3	.6	1.0	.6	.1							197	197		
62/ 61				.1	.1	.2	.7	1.1	.9	.3								242	242	1	
60/ 59				.0	.2	.4	1.0	1.3	.8	.1								291	291	16	
58/ 57			.0	.2	.4	.8	.9	1.5	.4	.1								323	323	56	
56/ 55		.0	.0	.2	.5	1.2	1.3	1.0	.3	.0								344	344	150	
54/ 53		.1	.2	.3	1.0	1.1	1.5	.3	.1									341	341	258	11
52/ 51		.1	.3	.6	1.3	1.6	1.5	.3	.0									429	429	324	9
50/ 49		.1	.7	.9	2.0	1.6	.9	.1										469	469	419	7
48/ 47		.2	1.1	1.8	2.0	1.1	.6	.0										512	512	493	47
46/ 45		.5	1.4	2.4	2.1	1.0	.1											566	566	606	100
44/ 43		.5	1.5	2.2	1.3	.6	.0											462	462	674	129
42/ 41	.1	.8	1.9	1.8	1.1	.4	.0											453	453	812	214
40/ 39	.2	1.1	1.8	1.6	.6	.1												398	398	775	395
38/ 37	.3	1.0	1.9	1.3	.5	.0												368	369	720	534
36/ 35	.1	1.3	1.6	1.0	.2													310	310	586	714
34/ 33	.3	1.1	1.6	.8	.0													284	284	466	695
32/ 31	.4	.8	1.6	.4														234	235	376	1030
30/ 29	.2	.8	.8	.1														143	143	277	769
28/ 27	.0	.7	.3															73	73	246	699
26/ 25		.3	.1															29	29	113	644

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — OCT MONTH

PAGE 2 — ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
24/ 23		.1	.0															7	7	40	323
22/ 21		.1																6	6	8	449
20/ 19		.1	.0															11	11	6	355
18/ 17		.1																5	5	11	149
16/ 15																				5	98
14/ 13																					38
12/ 11																					21
10/ 9																					4
8/ 7																					4
TOTAL	1.5	9.8	16.7	15.7	13.4	10.3	9.1	7.2	5.4	3.5	2.9	1.7	.9	.8	.6	.2	.1		7440		7438
																		7438		7438	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	23505513	390907	52.6	19.954	7438							
Dry Bulb	19268296	367362	49.4	12.321	7440		50.9	76.3	32.4	11.5		744
Wet Bulb	12756822	302928	40.7	7.510	7438		108.2					744
Dew Point	7270384	226696	30.5	6.968	7438		458.8					744

669-052

FORM 0-26-3 (OL A) JUN 71 USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 61								.2	.1									3	3		
60/ 59									.2									2	2		
58/ 57							.1	.2										3	3		
56/ 55						.1	.2	.1										4	4		
54/ 53						.4	.4	.1										9	9		
52/ 51				.1	.3	.4		.1										9	9		
50/ 49				.1	.7	.3	.4	.1										15	15		
48/ 47				.3	.9	.9	.6											24	24	2	
46/ 45		.2	.1	1.2	.3	1.4	.1											31	31	7	
44/ 43		.2		1.2	1.3	1.6												39	39	15	1
42/ 41		.4	1.1	2.0	1.9	.6	.4											58	58	25	2
40/ 39			.9	1.9	1.3	.6	.1											43	43	29	3
38/ 37		.3	2.7	1.4	.4	.2												46	46	37	4
36/ 35		.3	2.3	1.8	1.2													51	51	69	7
34/ 33		.9	2.3	2.1	.4													52	52	74	24
32/ 31	.2	1.7	4.7	2.8														84	84	67	42
30/ 29		1.8	3.3	1.4														59	59	59	47
28/ 27	.7	1.8	3.8	.6														61	61	92	59
26/ 25	.4	2.2	3.8	.8														65	65	84	51
24/ 23		1.6	2.0	.2														34	34	61	53
22/ 21		2.6	1.2	.1														35	35	63	88
20/ 19	.3	2.9	1.2															40	40	47	78
18/ 17	.2	1.7	.9															25	25	33	79
16/ 15	.9	1.6	.3															25	25	40	62
14/ 13	.2	2.4																24	24	16	80
12/ 11	.4	.9																12	12	25	60
10/ 9	.3	1.3																15	15	19	38
8/ 7	.2	.8																9	9	8	26
6/ 5	.1	.6																6	6	8	26
4/ 3		.4																4	4	6	18
2/ 1	.2	.2																4	4	4	21
0/ -1	.1	.4																5	5	3	7
-2/ -3		.1																1	1	3	7
-4/ -5		.1																1	1	2	4

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-6/ -7	.1																	1	1	1	4
-8/ -9		.1																1	1	1	2
-12/-13																					4
-18/-19																					1
-20/-21																					1
-24/-25																					1
TOTAL	4.6	27.6	30.7	18.1	8.9	6.6	2.4	.9	.3									900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3674246	55834	62.0	15.299	900							
Dry Bulb	968524	27592	30.7	11.679	900	.9	51.1					90
Wet Bulb	710878	23812	26.5	9.488	900	1.0	64.2					90
Dew Point	580952	16448	18.3	9.458	900	3.1	85.9					90

669-052

USAFETAC FORM 0-26-3 OL A, JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PAGE 1 0300-0500 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65										.1								1	1		
64/ 63										.1								1	1		
60/ 59								.1										1	1		
58/ 57						.1												1	1		
56/ 55							.1	.1										2	2		
54/ 53					.1	.1	.6	.1										8	8		
52/ 51					.3	.4	.4	.3										14	14		
50/ 49				.1	.3	.8	.9											19	19		
48/ 47			.1	.1	.7	.8	.9											23	23	2	
46/ 45			.1	.2	.4	.7	.6											18	18	3	
44/ 43			.6	1.4	.8	.6	.1											31	31	9	
42/ 41		.3	.7	1.1	.7	.6												30	30	19	
40/ 39		.1	1.2	2.9	2.4	.3												63	63	30	3
38/ 37		.6	2.3	2.6	1.3	.4												65	65	43	5
36/ 35		.3	1.4	1.4	.6	.2												36	36	48	4
34/ 33	.1	1.3	2.3	2.3	.3													58	58	76	15
32/ 31	.1	2.4	3.8	1.3	.2													71	71	74	41
30/ 29	.3	1.8	3.8	1.1														63	63	72	38
28/ 27	.1	2.6	5.8	.6														81	81	79	56
26/ 25	.3	2.3	4.0	.2														62	62	85	53
24/ 23	.1	1.2	1.1	.2														24	24	71	55
22/ 21		2.9	1.7	.1														42	42	64	92
20/ 19		2.7	2.2															44	44	41	78
18/ 17		2.1	.7															25	25	37	80
16/ 15	.9	1.8	.4															28	28	45	74
14/ 13	.4	1.8																20	20	15	73
12/ 11	.4	1.3																16	16	26	69
10/ 9		1.1																10	10	12	37
8/ 7	.3	.9																11	11	13	29
6/ 5	.4	.4																8	8	11	16
4/ 3	.4	.6																9	9	10	18
2/ 1	.3																	3	3	3	24
0/ -1	.2																	2	2	2	15
-2/ -3		.2																2	2	1	9

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PAGE 2 0300-0500 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-4/ -5	.3	.1																4	4	5	2
-6/ -7																					2
-8/ -9	.1	.2																3	3	2	1
-10/-11	.1																	1	1	2	3
-12/-13																					2
-14/-15																					2
-18/-19																					1
-24/-25																					3
TOTAL	5.2	29.1	32.2	15.8	8.2	5.0	3.6	.7		.2								900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3713763	56187	62.4	15.138	900							
Dry Bulb	924377	26839	29.8	11.785	900	1.2	52.9					90
Wet Bulb	680014	23192	25.8	9.573	900	1.2	67.0					90
Dew Point	360705	15895	17.7	9.432	900	4.0	87.3					90

FORM 0-26-3 OL A (JUN 71) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

569-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31				
60/ 59									.1									1	1		
58/ 57									.2									2	2		
56/ 55							.4	.3	.1									8	8		
54/ 53						.2	.4	.1										7	7		
52/ 51					.2	.1	.4											7	7		
50/ 49				.2	.7	.8	.7											21	21		
48/ 47			.1	.7	.9	1.0	.3											27	27		
46/ 45			.2	.7	1.1	.9	.1											27	27	1	
44/ 43			.1	1.2	.7	.9	.2											28	28	14	
42/ 41			1.0	1.6	1.4	1.3	.2											50	50	26	
40/ 39			1.4	1.6	1.4	.4												44	44	35	2
38/ 37		.6	1.4	1.4	1.4	.2												46	46	47	2
36/ 35		.2	1.3	3.2	.4													47	47	47	10
34/ 33	.1	1.1	1.4	2.7	.6	.2												55	55	53	19
32/ 31	.1	2.1	4.6	3.4	.3													95	95	66	41
30/ 29		1.7	3.0	.7														48	48	76	38
28/ 27	.3	1.9	4.4	.6														65	65	90	49
26/ 25	.2	2.2	3.3	.8														59	59	86	57
24/ 23	.1	3.0	1.7	.1														44	44	81	42
22/ 21		2.7	1.0	.2														35	35	57	90
20/ 19	.2	3.0	1.6	.1														44	44	35	95
18/ 17		2.0	.7															24	24	41	81
16/ 15	.7	1.2	.4															21	21	34	70
14/ 13	.9	1.7	.1															24	24	23	89
12/ 11	.1	1.2	.1															13	14	21	46
10/ 9	.3	1.2																14	14	12	34
8/ 7		1.4																13	13	15	34
6/ 5	.4	.3																7	7	14	14
4/ 3	.2	.8																9	9	11	14
2/ 1	.2																	2	2	2	31
0/ -1	.1	.1																2	2	1	12
-2/ -3		.2																2	2	1	12
-4/ -5	.1	.3																4	4	5	1
-6/ -7		.1																1	1	2	4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

659-052

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | NOV MONTH

PAGE 2 | 0500-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. & W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL D. Pt.
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	31				
-8/ -9	.2																	2	2	2	
-10/-11	.1																	1	1	1	1
-12/-13																					3
-14/-15																					2
-18/-19																					2
-20/-21																					1
-22/-23																					1
-24/-25																					2
TOTAL	4.6	29.1	28.0	19.1	9.2	6.1	2.9	.4	.4									899	899	899	899

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3655213	55651	61.9	15.301	899							
Dry Bulb	936765	26949	30.0	11.905	900	1.2	53.0					90
Wet Bulb	684926	21234	25.8	9.698	899	1.2	67.7					90
Dew Point	362305	15845	17.6	8.616	899	4.1	86.7					90

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
74/ 73											.1							1	1		
72/ 71												.1	.2					3	3		
70/ 69										.1	.2	.3						6	6		
68/ 67									.1		.3	.1						5	5		
66/ 65								.1	.4	.8	.4							16	16		
64/ 63							.1	.1	.4	.3	.3	.2						14	14		
62/ 61								.6	.8	.1	.3							16	16		
60/ 59						.2	.6	1.1	.9	.1								26	26		
58/ 57						.2	.6	1.1	.6	.2								24	24		
56/ 55						.7	.8	1.4	.2	.1								29	29		
54/ 53					.2	.8	1.0	.7	.1									25	25	4	
52/ 51				.1	.4	.7	1.4	.8										31	31	4	
50/ 49				.1	.8	.7	1.2	.3	.1									29	29	13	
48/ 47				.3	1.0	1.6	1.3	.4										42	42	34	
46/ 45			.3	.6	.9	1.9	1.0											42	42	38	
44/ 43				.7	1.1	1.3	.3	.1										32	32	54	1
42/ 41			.6	1.0	1.4	2.2	.1											48	48	39	2
40/ 39		.2	1.1	.8	1.7	1.1	.1											45	45	46	6
38/ 37		.1	.9	1.8	1.6	.7												45	45	57	8
36/ 35		.1	1.2	1.4	2.0	.1												44	44	69	25
34/ 33	.2	1.6	1.8	2.3	.7													59	59	59	28
32/ 31		1.2	3.2	1.9	.3	.1												61	61	67	53
30/ 29		1.1	2.6	1.1	.2													45	45	80	37
28/ 27		1.2	1.0	.2														22	22	71	52
26/ 25	.1	2.4	.8	.6														35	35	59	100
24/ 23	.2	1.2	.8	.1														21	21	49	50
22/ 21		.7	.6	.1														12	12	17	77
20/ 19	.1	2.0	.9															27	27	23	116
18/ 17	.1	1.9	.3															21	21	22	58
16/ 15	.3	1.3	.2															17	17	27	68
14/ 13	.6	.6																10	10	15	45
12/ 11		1.1																10	10	9	53
10/ 9	.2	1.2																13	13	15	31
8/ 7	.1	.3																4	4	7	22

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
6/ 5	.2	.2																4	4	5	14
4/ 3		.6																5	5	3	15
2/ 1	.2	.2																4	4	7	16
0/ -1	.1	.2																3	3	2	8
-2/ -3	.1																	1	1	2	1
-4/ -5		.2																2	2		1
-6/ -7	.1																	1	1	3	4
-8/ -9																					2
-10/-11																					1
-14/-15																					1
-16/-17																					3
-20/-21																					2
TOTAL	2.8	19.8	16.2	13.1	12.3	12.2	8.6	6.8	3.7	1.8	1.8	.8	.2					900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2808185	47109	52.41	19.364	900							
Dry Bulb	1505264	34238	38.0	15.019	900	.7	31.8	1.5	.1			90
Wet Bulb	973067	27955	31.1	11.745	900	.7	88.3					90
Dew Point	440883	18031	20.0	9.412	900	2.1	83.0					90

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71
669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75												.1						1	1		
74/ 73											.2	.3	.7					11	11		
72/ 71										.1	.6	.8	.3					16	16		
70/ 69											.4	.7	.3					13	13		
68/ 67									.1	.6	.2	.6						13	13		
66/ 65								.2	1.1	.8	1.0	.6						33	33		
64/ 63						.1	.2	.4	.6	.9	.2							22	22		
62/ 61						.2	.6	.3	1.1	.2	.2							24	24		
60/ 59							.4	1.7	.9	.2	.1							30	30		
58/ 57						.1	.7	1.3	1.1	.4								33	33		
56/ 55						.2	.2	1.3	.7									22	22		
54/ 53						.4	1.0	1.8	.4									33	33	6	
52/ 51					.7	.7	.9	1.9	.4									41	41	20	
50/ 49					.4	.6	1.2	1.0										29	29	45	
48/ 47				.1	.9	1.1	1.9	.8	.1									44	44	39	
46/ 45				.2	1.0	.9	1.1	.4										33	33	47	
44/ 43				.7	.9	2.1	.7											39	39	45	3
42/ 41			.6	.6	.6	2.1	.4											38	38	46	2
40/ 39		.2	.9	1.7	1.8	1.9	.6											63	63	51	6
38/ 37		.3	.6	1.8	1.8	.8	.1											48	48	69	5
36/ 35		.2	1.0	1.6	2.0	.1												44	44	66	26
34/ 33		.6	1.0	1.2	.7													31	31	65	40
32/ 31	.1	1.6	2.1	1.2	.8													52	52	74	63
30/ 29		1.0	.6	.8	.1													22	22	66	36
28/ 27		.7	.4	.4	.1													15	15	67	40
26/ 25		1.2	1.4	.4														28	28	28	73
24/ 23		.8	.3															10	10	31	70
22/ 21	.2	1.7	.3															20	20	25	77
20/ 19		1.9	.3															20	20	22	94
18/ 17		1.4																13	13	14	68
16/ 15	.2	1.3																14	14	21	55
14/ 13		1.7																15	15	12	60
12/ 11		.7																6	6	12	67
10/ 9		.8	.2															9	9	8	38

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3-OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726626 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PAGE 2 1200-1400 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7	.1	.4																5	5	7	25
6/ 5		.2	.1															3	3	4	9
4/ 3		.6																5	5	7	13
2/ 1		.2																2	2	3	13
0/ -1																					2
-2/ -3																					3
-4/ -5																					6
-6/ -9																					2
-10/-11																					1
-12/-13																					2
-14/-15																					1
TOTAL	.7	17.4	9.9	10.7	11.7	11.3	10.0	11.2	6.6	3.2	3.0	3.0	1.3						900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2290970	41462	46.1	20.583	900							
Dry Bulb	1844805	38163	42.4	15.875	900		23.9	5.4	1.2			90
Wet Bulb	1114531	30153	33.5	10.771	900		40.1					90
Dew Point	443837	18211	20.2	9.155	900	1.7	81.8					90

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73											.2	.1						3	3		
72/ 71										.1	.2	.2						5	5		
70/ 69										.2	.2	.2	.1					7	7		
68/ 67									.1	.6	.3	.2						11	11		
66/ 65									.6		.4	.1						10	10		
64/ 63								.3	1.0	.8	.1	.1						21	21		
62/ 61						.2	.2	.8	.6	.7								22	22		
60/ 59					.1		.4	1.2	.4	.1	.2							23	23		
58/ 57						.4	.2	1.2	.8	.2								26	26		
56/ 55				.1		.1	.9	1.6	.2	.1								27	27		
54/ 53					.1	.8	1.1	.8	.7									31	31	4	
52/ 51					.4	.8	1.7	.9										34	34	9	
50/ 49				.1	.4	1.0	.8	1.1										31	31	29	
48/ 47				.3	.7	.9	1.2	.6	.1									34	34	26	
46/ 45				.4	.8	1.6	1.1											35	35	37	2
44/ 43			.1	.6	1.1	2.2	1.0	.1										46	46	41	1
42/ 41			.4	1.4	1.0	2.1	.2	.1										48	48	49	1
40/ 39			1.1	.6	2.4	1.1	.2											49	49	50	4
38/ 37		.2	.8	1.3	1.7	1.0												45	45	55	8
36/ 35		.3	.8	2.0	2.0	.3												49	49	66	19
34/ 33		1.1	1.3	2.0	1.0													49	49	64	42
32/ 31		2.2	2.6	2.3	.6													69	69	81	47
30/ 29		1.1	1.6	.8	.1													32	32	74	46
28/ 27		1.3	1.4	.6	.1													31	31	73	48
26/ 25	.1	1.2	1.0	.8														28	28	57	77
24/ 23	.2	.7	.2															10	10	43	74
22/ 21		1.6	.7															20	20	20	65
20/ 19		1.4	.7	.1														20	20	22	86
18/ 17	.2	2.0	.4															24	24	17	74
16/ 15	.1	1.1																11	11	26	73
14/ 13	.1	1.1																11	11	10	62
12/ 11	.1	.7	.1															8	8	11	45
10/ 9	.2	1.1	.1															13	13	8	37
8/ 7		.9																8	8	14	27

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean Number of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669 052

FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 5		.4																4	4	8	12
4/ 3		.4																4	4	4	16
2/ 1																				1	11
0/ -1																					8
-2/ -3		.1																1	1		6
-4/ -5																					4
-6/ -7																					1
-8/ -9																					2
-14/-15																					1
-18/-19																					1
TOTAL	1.1	19.1	13.3	13.4	12.6	12.6	9.1	8.7	4.4	2.8	1.8	1.0	.1					900	900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2601889	45047	50.1	19.652	900							
Dry Bulb	1592309	35443	39.4	14.785	900	.1	29.4	2.6	.3			90
Wet Bulb	1008810	28636	31.8	10.424	900	.1	47.0					90
Dew Point	436319	18017	20.0	9.173	900	2.3	82.3					90

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63								.1										1	1		
62/ 61							.1			.1								2	2		
60/ 59							.2	.2	.7									10	10		
58/ 57						.2	.9	.2	.4									16	16		
56/ 55				.1	.1	.1	.6		.2									10	10		
54/ 53					.2	.7	.3	.9										19	19		
52/ 51				.4	.6	.9	.8	.2										26	26		
50/ 49			.1	.1	.9	.2	1.1											22	22	3	
48/ 47			.1	.1	1.7	.4	.4											25	25	11	
46/ 45				.9	.9	1.0	.3	.2										30	30	19	
44/ 43			.1	1.4	1.3	1.3	.3											41	41	24	2
42/ 41		.1	.2	1.2	2.7	.7	.2											46	46	27	2
40/ 39		.2	1.1	2.0	2.4	.8	.1											60	60	45	6
38/ 37		.3	.9	1.9	2.1	.3	.1											51	51	43	5
36/ 35		.3	1.7	2.2	1.7	.1												54	54	55	12
34/ 33		.9	1.6	2.4	1.8													60	60	77	27
32/ 31		2.2	2.8	2.8	1.1	.1												81	81	67	49
30/ 29		3.0	3.2	1.2	.2													69	69	85	36
28/ 27		2.6	1.7	.4														42	42	91	43
26/ 25	.1	1.7	2.1	.6														40	40	91	64
24/ 23		.8	.3	.1														11	11	42	55
22/ 21		2.8	1.6															39	39	37	101
20/ 19	.7	2.3	.8	.1														35	35	46	99
18/ 17	.4	2.0	.9	.1														31	31	27	69
16/ 15	.1	1.7	.2															18	18	30	67
14/ 13	.2	1.0	.1															12	12	21	74
12/ 11	.6	.8																12	12	16	42
10/ 9	.2	1.0																11	11	11	34
8/ 7	.1	.9																9	9	10	40
6/ 5	.2	.3																5	5	10	9
4/ 3		.6																5	5	4	16
2/ 1		.3																3	3	2	18
0/ -1		.1																1	1	2	10
-2/ -3		.2																2	2	3	6

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-4/ -5																					6
-6/ -7		.1																1	1		2
-8/ -9																				1	1
-12/-13																					2
-18/-19																					1
-20/-21																					2
TOTAL	2.7	26.2	19.4	18.2	17.7	6.9	5.6	1.9	1.3	.1								900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3287919	52281	58.1	16.706	900							
Dry Bulb	1137284	30002	33.3	12.351	900	.M	42.7					90
Wet Bulb	798940	25380	28.2	9.622	900	.6	59.6					90
Dew Point	400958	17050	18.9	9.312	900	3.0	88.6					90

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65									.2									2	2		
64/ 63								.1										1	1		
62/ 61								.2	.1									3	3		
60/ 59								.2	.1									3	3		
58/ 57						.2	.3	.1	.1									7	7		
56/ 55						.1	.3	.1	.1									6	6		
54/ 53						.3	.6	.2										10	10		
52/ 51			.2	.2		.9	.6											17	17		
50/ 49			.1	.1	1.3	.1	.2	.2										19	19	4	
48/ 47		.1		.4	.4	.8	.7											22	22	8	1
46/ 45				.8	1.6	1.4	.6											39	39	8	
44/ 43		.1	.3	1.3	1.4	1.0	.6											43	43	13	2
42/ 41			.4	.9	1.9	.7	.1											36	36	34	2
40/ 39		.2	.8	2.2	1.4	.8												49	49	30	1
38/ 37		.1	1.2	2.1	1.2	.7												48	48	38	5
36/ 35		.4	2.8	1.6	1.1													53	53	59	11
34/ 33		.8	2.6	1.6	.7													50	50	61	25
32/ 31		1.3	4.3	3.6	.4													87	87	77	45
30/ 29	.6	2.2	3.1	2.0	.1													72	72	72	34
28/ 27	.2	2.7	3.6	.8														65	65	85	47
26/ 25		2.1	2.3	.6														45	45	99	72
24/ 23		1.6	.9	.2														24	24	68	39
22/ 21		2.1	.7															25	25	43	90
20/ 19		2.8	1.6															39	39	36	98
18/ 17	1.0	2.0	.4															31	31	36	63
16/ 15	.2	2.3	.3															26	26	30	82
14/ 13	.3	2.1	.1															23	23	25	63
12/ 11	.4	1.2																15	15	25	63
10/ 9	.3	1.2																14	14	15	31
8/ 7		.7																6	6	12	33
6/ 5	.1	.3																4	4	5	24
4/ 3		.7																6	6	6	25
2/ 1	.1	.3																4	4	3	17
0/ -1																				2	5

Element: (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.-W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-2/ -3		.4																4	4	2	5
-4/ -5																				2	4
-6/ -7		.1																1	1	1	5
-10/-11																					3
-14/-15																					1
-18/-19																					1
-20/-21																					2
TOTAL	3.3	28.0	25.8	18.4	11.7	7.0	3.9	1.2	.7										899		899
																		899		899	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3508095	54305	60.4	15.925	899							
Dry Bulb	1024931	28383	31.6	11.978	899	.5	89.2					90
Wet Bulb	738026	24290	27.0	9.540	899	.7	64.5					90
Dew Point	382949	16517	18.4	9.365	899	2.6	85.3					90

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

663-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

 ALL (HOURS (L, S, Y))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75												.0						1	1		
74/ 73											.1	.1	.1					15	15		
72/ 71										.0	.1	.1	.1					24	24		
70/ 69										.0	.1	.2	.1					26	26		
68/ 67									.0	.1	.1	.1						29	29		
66/ 65								.0	.3	.2	.2	.1						62	62		
64/ 63						.0	.0	.1	.3	.3	.1	.0						60	60		
62/ 61						.1	.1	.3	.3	.1	.1							70	70		
60/ 59					.0	.0	.2	.6	.4	.1	.0							96	96		
58/ 57						.2	.3	.5	.4	.1								112	112		
56/ 55				.0	.0	.2	.4	.6	.2	.0								108	108		
54/ 53					.1	.5	.7	.6	.2									142	142	14	
52/ 51			.0	.1	.4	.6	.8	.5	.1									179	179	33	
50/ 49			.0	.1	.7	.6	.8	.3	.0									185	185	94	
48/ 47		.0	.0	.3	.9	.9	.9	.2	.0									241	241	122	1
46/ 45		.0	.1	.6	.9	1.2	.6	.1										255	255	160	2
44/ 43		.0	.2	1.1	1.1	1.4	.4	.0										299	299	215	10
42/ 41		.1	.6	1.2	1.4	1.3	.2	.0										354	354	265	11
40/ 39		.1	1.1	1.7	1.9	.9	.1											416	416	316	31
38/ 37		.3	1.3	1.8	1.4	.5	.0											394	394	389	42
36/ 35		.3	1.6	1.9	1.4	.1												378	378	479	114
34/ 33	.1	1.0	1.8	2.1	.8	.0												414	414	529	220
32/ 31	.1	1.8	3.5	2.4	.5	.0												600	600	573	381
30/ 29	.1	1.7	2.6	1.1	.1													410	410	584	312
28/ 27	.2	1.8	2.8	.5	.0													382	382	648	394
26/ 25	.2	1.9	2.3	.6														362	362	589	547
24/ 23	.1	1.3	.9	.1														178	178	446	438
22/ 21	.0	2.1	1.0	.1														228	228	326	680
20/ 19	.2	2.4	1.2	.0														269	269	272	744
18/ 17	.3	1.9	.5	.0														194	194	227	572
16/ 15	.4	1.5	.3															160	160	253	551
14/ 13	.3	1.5	.0															139	139	137	546
12/ 11	.3	1.0	.0															92	93	145	445
10/ 9	.2	1.1	.0															99	99	100	280

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) NOV (MONTH)

 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7	.1	.8																65	65	86	236
6/ 5	.2	.4	.0															41	41	65	124
4/ 3	.1	.6																47	47	51	135
2/ 1	.1	.2																22	22	25	151
0/ -1	.1	.1																13	13	12	67
-2/ -3	.0	.2																13	13	12	49
-4/ -5	.1	.1																11	11	15	28
-6/ -7	.0	.0																5	5	7	22
-8/ -9	.0	.0																6	6	6	10
-10/-11	.0																	2	2	3	9
-12/-13																					13
-14/-15																					8
-16/-17																					3
-18/-19																					7
-20/-21																					8
-22/-23																					1
-24/-25																					6
TOTAL	3.1	24.5	22.0	15.9	11.5	8.5	5.8	4.0	2.2	1.0	.8	.6	.2						7199		7198
																		7198		7198	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	c_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	25540280	407926	56.7	18.346	7198							
Dry Bulb	9934259	247649	34.4	14.021	7199	5.0	333.9	9.5	1.6			720
Wet Bulb	6709192	206652	28.7	10.386	7198	5.5	458.3					720
Dew Point	3208904	136034	18.9	9.415	7198	23.1	676.9					720

USAFETAC FORM 0-26-3 OL A, JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PAGE 1 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63										.1								1	1		
58/ 57								.1	.2									3	3		
56/ 55						.1			.1									2	2		
54/ 53						.1	.3	.1										5	5		
52/ 51					.1		.2	.3	.1									7	7		
50/ 49					.3	.1	.2	.1										7	7		
48/ 47				.2	.2	.6	.2	.1										13	13		
46/ 45				.8	.9	.2	.2											19	19	2	
44/ 43				.8	.3	.3	.1											14	14	4	
42/ 41				.5	.5	.2												12	12	12	
40/ 39			.3	1.6	1.2	.2												31	31	16	
38/ 37		.1	.5	2.5	1.1	.2												41	41	24	
36/ 35		.6	2.4	2.6	1.1	.2												64	64	24	6
34/ 33	.2	.8	3.4	2.3	.6	.1												69	69	50	8
32/ 31	.1	1.1	4.5	4.1	.2													93	93	62	15
30/ 29	.2	1.0	2.6	1.2														46	46	76	24
28/ 27	.4	2.5	3.7	1.0														70	70	93	36
26/ 25	.4	2.2	2.8	.4														54	54	93	57
24/ 23	.1	1.8	1.2	.1														30	30	73	58
22/ 21		2.7	2.4	.1														48	48	54	62
20/ 19	.9	3.8	2.5															66	66	53	91
18/ 17	.4	3.3	.8															42	42	55	64
16/ 15	.2	2.2	.1															23	23	50	81
14/ 13	.2	2.5	.3															28	28	21	77
12/ 11		3.0																28	28	26	53
10/ 9	.2	2.7																27	27	36	69
8/ 7	.4	1.9																22	22	29	46
6/ 5		1.3																12	12	17	19
4/ 3	.3	1.1																13	13	17	39
2/ 1		1.6																15	15	10	27
0/ -1	.4	.3																7	7	12	23
-2/ -3	.3	.1																4	4	7	17
-4/ -5	.2																	2	2	2	13
-6/ -7	.3	.2																5	5	3	11

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-8/ -9	.3																	3	3	5	9
-10/-11																					8
-12/-13																					2
-14/-15																					5
-16/-17	.3																	3	3	3	2
-18/-19																					1
-20/-21																					3
-24/-25																					3
TOTAL	6.1	36.7	27.4	18.1	6.6	2.5	1.3	.8	.4	.1								929	929	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3867793	58495	63.0	14.105	929							
Dry Bulb	764433	24049	25.9	12.365	929	2.4	64.2					93
Wet Bulb	564554	20766	22.4	10.400	929	3.2	79.8					93
Dew Point	289431	13243	14.3	10.414	929	9.7	91.6					93

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USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57								.2										2	2		
56/ 55								.1										1	1		
54/ 53								.2										2	2		
52/ 51					.1	.2	.2	.1										6	6		
50/ 49					.6	.4	.3	.1										14	14		
48/ 47					.1	.8	.1	.2										11	11		
46/ 45				.4	.5	.8	.2	.1										19	19		
44/ 43				.8	.8	.4	.1											19	19	4	
42/ 41			.3	.2	.9	.3												16	16	10	
40/ 39			.6	.9	.4	.1												19	19	16	
38/ 37		.1	.9	1.4	.9	.6												36	36	28	
36/ 35		.5	1.7	2.9	.3	.3												54	54	25	5
34/ 33		.4	2.9	2.7	.4													60	60	37	7
32/ 31	.2	2.4	3.2	2.2														74	74	60	16
30/ 29	.2	1.7	3.7	1.8														69	69	75	28
28/ 27		1.4	3.5	.6														52	52	85	36
26/ 25	.5	2.4	2.9	.4														58	58	79	48
24/ 23	.2	3.1	1.3	.1														44	44	75	39
22/ 21	.1	2.9	2.4	.2														52	52	62	77
20/ 19	.5	4.5	2.0															66	66	50	79
18/ 17	.3	3.5	.9															44	44	69	65
16/ 15	.3	3.2	1.1															43	43	47	82
14/ 13	.1	2.9	.2															30	30	36	87
12/ 11	.3	1.9	.1															22	22	35	51
10/ 9	.1	2.2																21	21	27	66
8/ 7	.5	3.5																38	38	27	49
6/ 5	.1	1.0																10	10	31	25
4/ 3		.4																4	4	7	40
2/ 1	.2	.8																9	9	7	30
0/ -1	.4	.3																7	7	7	25
-2/ -3	.3	1.0																12	12	10	17
-4/ -5	.1	.1																2	2	6	13
-6/ -7	.3	.2																5	5	4	7
-8/ -9	.3																	3	3	5	8

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PAGE 2 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-10/-11	.2																	2	2	2	6
-12/-13	.1																	1	1	1	4
-14/-15																					2
-16/-17	.3																	3	3	3	7
-18/-19																					4
-22/-23																					2
-24/-25																					2
-26/-27																					3
TOTAL	6.0	40.5	27.7	14.6	5.1	4.0	1.0	1.1										930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3961024	59224	63.7	14.284	930							
Dry Bulb	731146	23376	25.1	12.432	930	3.5	67.1					93
Wet Bulb	543203	20239	21.8	10.517	930	3.8	81.0					93
Dew Point	283951	12949	13.9	10.698	930	10.2	91.8					93

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57								.2	.1									3	3		
56/ 55							.1	.1	.2									4	4		
54/ 53								.1	.1									2	2		
52/ 51						.1												1	1		
50/ 49					.1	.1	.2											4	4		
48/ 47				.2	.3	.4	.2	.2										13	13		
46/ 45				.4	.1	.8	.1											13	13	1	
44/ 43			.1	.3	.9													20	20	2	
42/ 41		.1	.2	.8	.5													18	18	8	
40/ 39		.4	.5	.4	1.2													28	28	15	
38/ 37		.3	1.1	1.5	1.1	.2												39	39	20	1
36/ 35		.4	1.5	1.9	1.1													46	46	34	6
34/ 33	.1	.3	2.0	2.5	.1													47	47	32	11
32/ 31		1.3	4.2	2.6	.3													78	78	53	14
30/ 29	.9	1.4	3.5	1.9														72	72	65	19
28/ 27	.2	1.7	3.9	.5														59	59	90	29
26/ 25	.4	3.1	3.0	.4	.1													66	66	87	43
24/ 23	.5	2.5	1.4	.3														44	44	89	37
22/ 21	.3	3.7	2.2	.2														59	59	64	63
20/ 19	.4	3.3	2.9															64	64	49	95
18/ 17	.6	2.7	1.6															46	46	61	78
16/ 15	.3	3.8	.9															46	46	56	104
14/ 13		2.0	.2															21	21	42	72
12/ 11	.3	1.5	.1															18	18	31	49
10/ 9	.1	2.3																22	22	17	49
8/ 7	.3	2.7	.1															29	29	27	62
6/ 5		1.5																14	14	28	26
4/ 3		.8																7	7	10	29
2/ 1		1.5																14	14	10	44
0/ -1		.2																2	2	6	24
-2/ -3	.1	.6																7	7	8	12
-4/ -5	.2	.3																5	5	6	12
-6/ -7	.5	.2																7	7	5	10
≤-8/ ≤-9	.5																	5	5	7	6

Element (x)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-10/-11	.1																	1	1	1	10
-12/-13																					3
-14/-15	.3																	3	3	3	4
-16/-17	.3																	3	3	3	1
-18/-19																					7
-20/-21																					2
-22/-23																					2
-24/-25																					3
-26/-27																					3
TOTAL	6.8	38.9	29.5	14.1	5.8	3.0	.9	.6	.4										930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	3959127	59169	63.6	14.476	930							
Dry Bulb	713359	23077	24.8	12.308	930	3.3	69.2					93
Wet Bulb	531875	19985	21.5	10.499	930	3.9	81.8					93
Dew Point	277079	12541	13.5	10.780	930	9.9	91.2					93

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67										.1	.1	.1						3	3		
64/ 63									.1		.1							2	2		
62/ 61							.1	.1		.2								4	4		
60/ 59									.1									1	1		
58/ 57							.2	.1	.5	.1	.1							10	10		
56/ 55						.2	.1		.2									5	5		
54/ 53					.1	.4	.5	.4	.1									15	15		
52/ 51					.1	.6	.6	.1	.1									15	15		
50/ 49						.2	.1	.1										4	4	2	
48/ 47			.1	.3	.4	1.7	.9	.1										33	33	5	
46/ 45			.1	.4	.9	.8	.5											25	25	6	
44/ 43			.3	.8	1.2	1.5	.1											36	36	14	
42/ 41			.4	1.1	1.8	.5		.1										37	37	24	
40/ 39		.1	1.1	1.6	1.6	1.1	.2											53	53	28	1
38/ 37	.1	.2	1.1	1.8	1.7	.4												50	50	39	5
36/ 35		.1	1.1	2.8	1.5	.2												53	53	55	11
34/ 33	.1	.3	1.9	2.8	1.1													58	58	64	13
32/ 31	.3	1.2	2.5	3.9	.5													78	78	63	26
30/ 29	.6	.8	3.4	1.4														58	58	84	33
28/ 27	.2	2.0	2.5	.9	.1													53	53	77	37
26/ 25	.4	2.5	2.2	.4														51	51	101	66
24/ 23	.3	1.0	1.1	.2														24	24	61	40
22/ 21		1.7	1.6															31	31	39	73
20/ 19	.6	3.8	1.0															50	50	37	122
18/ 17	.1	2.3	.5															27	27	46	66
16/ 15	.1	2.7	.3															29	29	38	82
14/ 13	.1	3.0	.3															32	32	18	65
12/ 11	.1	1.5																15	15	32	54
10/ 9	.3	1.3	.1															16	16	20	57
8/ 7		1.0	.1															10	10	15	35
6/ 5	.3	.4																7	7	13	19
4/ 3		.4																4	4	6	28
2/ 1		1.2																11	11	7	25
0/ -1	.3	.2																5	5	9	8

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_X	No. Obs.	Known No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/ -3	.1	.4																5	5	3	10
-4/ -5	.2	.4																6	6	4	11
-6/ -7	.3	.4																7	7	7	8
-8/ -9	.5																	5	5	9	7
-10/-11	.1																	1	1	1	4
-12/-13	.1																	1	1	1	
-14/-15																					7
-16/-17																					3
-18/-19																					7
-20/-21																					5
-22/-23																					2
TOTAL	5.6	28.9	21.7	18.4	11.1	7.7	3.4	1.1	1.2	.4	.3	.1						930	930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3470628	54688	58.8	16.559	930							
Dry Bulb	997921	27645	29.7	13.770	930	1.0	52.6	.3				93
Wet Bulb	698735	23337	25.1	11.035	930	3.4	69.3					93
Dew Point	381256	18758	15.9	10.772	930	7.2	90.1					93

669-052

USAFETAC FORM 0-25-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69												.1	.2					3	3		
68/ 67												.1						1	1		
66/ 65											.1							1	1		
64/ 63							.2	.3	.1	.2	.2							10	10		
62/ 61						.1	.1	.8	.4	.2	.1							16	16		
60/ 59						.1		.1	.1	.1	.2							6	6		
58/ 57							.1	.5	.2	.2	.1							11	11		
56/ 55						.2	.4	.3	.2									11	11		
54/ 53					.1	.5	1.1	.6	.1									23	23		
52/ 51					.3	.4	.6	.5	.2									20	20	5	
50/ 49					.6	1.0	1.5	.2	.1									32	32	6	
48/ 47				.2	.4	1.7	1.5	.1	.1									38	38	8	
46/ 45			.3	.2	1.5	1.9	.9	.1										46	46	15	
44/ 43				1.1	1.5	1.3	.4	.1										41	41	29	2
42/ 41			.3	1.4	1.7	2.3	.2											55	55	31	1
40/ 39		.2	1.0	1.5	2.4	1.2	.1											59	59	47	2
38/ 37		.5	1.0	1.6	1.6	.5												49	49	60	7
36/ 35		.3	.3	1.9	1.7	.4												44	44	79	17
34/ 33	.1	.5	1.5	2.2	.9													48	48	59	12
32/ 31	.5	1.2	3.1	3.0	.8													80	80	83	49
30/ 29	.2	.8	2.5	.3														35	35	68	39
28/ 27	.1	1.5	1.8	.3														35	35	83	50
26/ 25	.2	1.6	2.0	.2														38	38	75	48
24/ 23	.1	.8	1.2															19	19	36	50
22/ 21	.4	1.3	.9															24	24	37	63
20/ 19	.2	3.1	1.2															42	42	26	100
18/ 17	.5	2.9	1.1															42	42	39	85
16/ 15		1.4	.5															18	18	37	70
14/ 13		1.3																12	12	22	61
12/ 11		1.2	.1															12	12	18	58
10/ 9	.1	1.3																13	13	9	43
8/ 7		.3																3	3	12	42
6/ 5	.3	.6																9	9	7	14
4/ 3		1.1																10	10	10	12

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 'OL A, JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PAGE 2 1200-1400 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
2/ 1	.2	.5																7	7	10	26
0/ -1	.1	.1																2	2	3	12
-2/ -3	.2	.5																7	7	5	8
-4/ -5		.3																3	3	3	7
-6/ -7		.4																4	4	3	7
-8/ -9	.1																	1	1	5	3
-10/-11																					5
-14/-15																					8
-16/-17																					1
-18/-19																					7
-20/-21																					1
TOTAL	3.5	23.9	18.8	14.0	13.5	11.7	7.2	3.8	1.6	.2	.8	.2	.2						930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3013643	50326	54.1	17.677	930							
Dry Bulb	1257832	31456	33.8	18.445	930	1.7	41.6	.8				93
Wet Bulb	838658	25970	27.9	11.051	930	1.9	59.1					93
Dew Point	382569	16114	17.3	10.539	930	5.9	88.9					93

669-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
70/ 69												.1						1	1		
66/ 65										.1								1	1		
64/ 63											.1							1	1		
62/ 61								.3		.2								5	5		
60/ 59							.2	.1	.1	.2								6	6		
58/ 57					.1	.1	.1	.3		.1								7	7		
56/ 55						.1	.4	.2		.1								8	8		
54/ 53						.2	.5	.1										8	8		
52/ 51					.1	.6	.4	.1	.2									14	14		
50/ 49				.2	.2	.6	.4	.4										18	18	3	
48/ 47				.2	.5	.8	1.2	.1										26	26	7	
46/ 45				.1	1.5	1.4	.1											29	29	4	
44/ 43			.5	1.3	1.1	1.6	.1	.1										44	44	17	
42/ 41			.4	2.2	2.2	1.1	.1											55	55	20	1
40/ 39		.3	1.3	2.3	2.3	1.1												67	67	29	
38/ 37		.3	1.5	1.9	2.3	.3												59	59	48	8
36/ 35		.9	1.3	2.3	1.4	.4												58	58	86	9
34/ 33		1.3	1.3	2.0	1.2													54	54	75	15
32/ 31		.6	2.4	2.5	1.1													61	61	66	37
30/ 29	.6	.5	2.5	1.6														49	49	80	48
28/ 27	.2	2.4	3.1	.3														56	56	77	43
26/ 25		1.7	2.2	.4														40	40	77	61
24/ 23		.8	1.1															17	17	57	52
22/ 21	.3	2.4	1.5															39	39	47	64
20/ 19	.5	2.2	.8															32	32	32	99
18/ 17	.5	2.5	.4															32	32	33	89
16/ 15	.1	1.9	1.0															28	28	31	66
14/ 13	.1	2.3	.1															23	23	22	56
12/ 11	.1	2.3																22	22	30	56
10/ 9	.1	1.5	.1															16	16	22	45
8/ 7		1.2																11	11	15	48
6/ 5	.2	.1																3	3	12	20
4/ 3	.2	1.1																12	12	6	26
2/ 1		.9																8	8	11	21

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

659-052

USAFETAC FORM 0-26-3 OL A JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.- W.B.	Dry Bulb	Wet Bulb	Dew Point
0/ -1	.3																	3	3	6	12
-2/ -3	.1	.5																6	6	3	12
-4/ -5		.3																3	3	3	7
-6/ -7		.4																4	4	3	6
-8/ -9	.2																	2	2	6	3
-10/-11	.1																	1	1	1	5
-12/-13																					5
-14/-15																					2
-16/-17																					3
-18/-19																					7
-20/-21																					3
TOTAL	3.9	28.3	21.4	17.3	13.9	8.4	3.7	1.8	.3	.8	.1	.1							929		929	
																		929		929	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3360185	53779	57.9	16.313	929							
Dry Bulb	1059581	28783	31.0	13.447	929	1.9	46.9	.1				93
Wet Bulb	741155	24263	26.1	10.761	929	2.2	64.1					93
Dew Point	362785	15495	16.7	10.604	929	6.5	89.7					93

669-052

USAFETAC FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59							.1											1	1		
58/ 57								.1	.1	.1								3	3		
56/ 55					.1	.1	.1	.1	.1									5	5		
54/ 53							.3	.1										4	4		
52/ 51						.1	.2	.1										4	4		
50/ 49					.1	.2	.1											4	4		
48/ 47				.1	.3	1.0	.1	.4										18	18	2	
46/ 45			.1	.3	.9	.6	.3											21	21	2	
44/ 43		.1	.2	1.2	.2	1.0												25	25	4	
42/ 41			.5	1.0	.9	.5												27	27	10	
40/ 39			.6	1.8	1.8	.2												42	42	24	2
38/ 37		.2	1.7	3.6	1.6	.1												67	67	23	3
36/ 35		.9	2.7	2.4	.5	.2												62	62	45	3
34/ 33		1.8	2.1	1.6	.9	.1												60	60	69	10
32/ 31		1.0	2.1	3.0	.8													63	63	89	27
30/ 29	.4	2.2	3.1	1.7														69	69	68	48
28/ 27	.4	1.2	3.9	.8														58	58	68	37
26/ 25	.2	2.5	2.7	.2														52	52	86	62
24/ 23		1.5	1.6	.1														30	30	75	50
22/ 21		2.9	1.6															42	42	48	63
20/ 19	1.5	3.6	1.8															64	64	53	81
18/ 17	.4	2.4	.4															30	30	51	90
16/ 15	.1	1.8	.3															21	21	36	66
14/ 13	.2	3.6																35	35	19	74
12/ 11	.2	2.7	.1															28	28	37	51
10/ 9		2.1																19	19	29	43
8/ 7		1.4	.3															16	16	20	53
6/ 5		.5																5	5	17	27
4/ 3	.4	.8																11	11	7	26
2/ 1	.1	1.4																14	14	9	37
0/ -1	.2	.2																4	4	11	11
-2/ -3	.4	.3																7	7	7	13
-4/ -5	.2	.2																4	4	4	8
-6/ -7		.3																3	3	3	6

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F
Rel. Hum.											
Dry Bulb											
Wet Bulb											
Dew Point											

669-052

FORM 0-26-3 OL A (JUN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-8/ -9	.4																	4	4	6	11
-10/-11	.4																	4	4	4	3
-12/-13																					4
-14/-15																					7
-16/-17																					4
-18/-19																					4
-20/-21																					3
-22/-23																					3
TOTAL	5.8	35.5	26.0	17.8	8.1	4.2	1.3	.9	.2	.1								926	926	926	926

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 90 F	Total
Rel. Hum.	3845490	58062	62.7	14.883	926							
Dry Bulb	832670	25210	27.2	12.578	926	2.6	58.6					93
Wet Bulb	614430	21752	23.5	10.576	926	1.5	75.0					93
Dew Point	325969	14229	15.4	10.772	926	7.3	91.2					93

669-052

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59										.2								2	2		
58/ 57						.1	.2	.1	.1									5	5		
56/ 55							.1		.1									2	2		
54/ 53						.2	.1	.1										4	4		
52/ 51							.4	.1										5	5		
50/ 49					.3	.2	.2											7	7		
48/ 47				.3	.6	1.0	.4											22	22	2	
46/ 45					.2	.4	.4											10	10	1	
44/ 43			.1	.6	.9	.5	.1											21	21	6	
42/ 41		.1	.2	1.0	.8	.9												27	27	16	
40/ 39			.8	1.5	1.0	.2												32	32	12	
38/ 37		.3	.6	2.2	.9													37	37	24	2
36/ 35		.6	1.6	3.2	1.3	.1												64	64	37	5
34/ 33		1.2	2.9	2.2	.3													61	61	51	15
32/ 31	.2	.9	2.4	3.6	.5													70	70	62	15
30/ 29	.2	2.4	2.4	1.6														61	61	76	28
28/ 27	.3	2.0	4.0	.8	.1													67	67	90	28
26/ 25	.8	2.7	2.6	.5														61	61	78	62
24/ 23		.9	1.6															23	23	78	56
22/ 21		3.6	2.5	.1														57	57	49	69
20/ 19	.6	4.3	2.0															65	65	56	88
18/ 17	1.0	2.0	.2															30	30	64	64
16/ 15	.4	2.3	.2															27	27	35	78
14/ 13	.2	3.0	.1															31	31	25	77
12/ 11	.1	3.2																31	31	31	65
10/ 9	.3	1.9																21	21	28	49
8/ 7		2.0																19	19	20	53
6/ 5		.9																8	8	14	27
4/ 3	.1	1.2																12	12	12	25
2/ 1	.2	1.3																14	14	13	27
0/ -1	.5	.1																6	6	11	18
-2/ -3	.3	.2																5	5	4	18
-4/ -5	.6																	6	6	8	11
-6/ -7	.2																	2	2	2	4

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

669-052

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION | ELLSWORTH AFB SD STATION NAME | 73-82 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-8/ -9	.2																	2	2	2	8
-10/-11	.6																	6	6	6	17
-12/-13	.1																	1	1	1	3
-14/-15	.3																	3	3	3	3
-18/-19																					1
-20/-21																					3
-22/-23																					7
-24/-25																					1
TOTAL	7.6	37.2	24.3	17.6	6.9	3.7	2.0	.3	.2	.2									927		927
																		927		927	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3891043	58525	63.1	14.554	927							
Dry Bulb	785294	24222	26.1	12.828	927	3.1	63.0					93
Wet Bulb	579408	20920	22.6	10.764	927	3.7	78.1					93
Dew Point	301935	13445	14.5	10.746	927	9.4	90.8					93

669-052

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 STATION — ELLSWORTH AFB SD STATION NAME — 73-82 YEARS — DEC MONTH

 — ALL HOURS (L, ?, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
70/ 69												.0	.0					4	4		
68/ 67										.0	.0	.0						4	4		
66/ 65										.0	.0							2	2		
64/ 63							.0	.0	.0	.0	.1							14	14		
62/ 61						.0	.0	.1	.1	.1	.0							25	25		
60/ 59						.0	.0	.0	.0	.1	.0							16	16		
58/ 57					.0	.0	.1	.2	.2	.1	.0							44	44		
56/ 55					.0	.1	.2	.1	.1	.0								38	38		
54/ 53					.0	.2	.4	.2	.0									63	63		
52/ 51					.1	.3	.3	.2	.1									72	72	5	
50/ 49				.0	.3	.4	.4	.1	.0									90	90	11	
48/ 47			.0	.2	.4	1.0	.6	.2	.0									174	174	24	
46/ 45			.1	.3	.8	.9	.3	.0										182	182	31	
44/ 43		.0	.2	.8	.8	.9	.1	.0										220	220	80	2
42/ 41		.0	.3	1.0	1.2	.8	.0	.0										247	247	131	2
40/ 39		.1	.8	1.5	1.5	.6	.0											331	331	187	5
38/ 37	.0	.3	1.0	2.1	1.4	.3												378	378	266	26
36/ 35		.6	1.6	2.5	1.1	.2												445	445	385	62
34/ 33	.1	.8	2.3	2.3	.7	.0												457	457	437	91
32/ 31	.2	1.2	3.0	3.1	.5													597	597	538	199
30/ 29	.4	1.3	3.0	1.5														459	459	592	267
28/ 27	.2	1.8	3.3	.6	.0													450	450	663	296
26/ 25	.4	2.3	2.5	.4	.0													420	420	676	447
24/ 23	.2	1.5	1.3	.1														231	231	546	382
22/ 21	.1	2.6	1.9	.1														352	352	400	554
20/ 19	.7	3.6	1.8															449	449	356	755
18/ 17	.5	2.7	.7															293	293	418	601
16/ 15	.2	2.4	.6															235	235	330	629
14/ 13	.1	2.6	.2															212	212	205	569
12/ 11	.1	2.2	.1															176	176	240	437
10/ 9	.2	1.9	.0															155	155	198	421
8/ 7	.2	1.8	.1															148	148	165	388
6/ 5	.1	.8																68	68	139	177
4/ 3	.1	.8																73	73	75	225

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669 052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) DEC (MONTH)

 ALL HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
2/ 1	.1	1.1																92	92	77	237
0/ -1	.3	.2																36	36	65	133
-2/ -3	.2	.5																53	53	47	107
-4/ -5	.2	.2																31	31	36	80
-6/ -7	.2	.3																37	37	30	57
-8/ -9	.3																	25	25	45	55
-10/-11	.2																	15	15	15	58
-12/-13	.0																	3	3	3	21
-14/-15	.1																	6	6	6	38
-16/-17	.1																	9	9	9	21
-18/-19																					38
-20/-21																					20
-22/-23																					16
-24/-25																					9
-26/-27																					6
TOTAL	5.7	33.8	24.6	16.5	8.9	5.7	2.6	1.3	.6	.3	.1	.1	.0					7431	7431		7431
																		7431		7431	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	29368932	452268	60.9	15.749	7431							
Dry Bulb	7142206	207818	28.0	13.381	7431	21.5	463.1	.8				744
Wet Bulb	5112018	177232	23.9	10.914	7431	25.6	588.1					744
Dew Point	2565485	112675	15.2	10.740	7431	66.0	725.2					744

USAFETAC FORM 0-26-3 OL A (JAN 71) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) ALL (MONTH)

 ALL (HOURS L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
113/111																	.0	1	1		
108/107																	.0	6	6		
106/105																	.0	12	12		
104/103																	.0	20	20		
102/101																.0	.0	46	46		
100/ 99															.0	.0	.1	81	81		
98/ 97													.0	.0	.0	.0	.1	115	115		
96/ 95												.0	.0	.0	.1	.1	.1	204	204		
94/ 93										.0	.0	.0	.0	.1	.1	.0	.1	271	271		
92/ 91									.0	.0	.0	.0	.1	.1	.1	.1	.0	379	379		
90/ 89								.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	438	438		
88/ 87							.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	614	614		
86/ 85					.0	.0	.0	.0	.1	.1	.2	.2	.1	.1	.1	.0		824	824		
84/ 83						.0	.0	.1	.1	.2	.2	.2	.1	.1	.1	.0		946	946		
82/ 81					.0	.0	.0	.1	.2	.2	.3	.1	.1	.1	.0			1082	1082		
80/ 79			.0	.0	.0	.0	.1	.2	.3	.3	.2	.2	.1	.1	.0			1296	1296		
78/ 77			.0	.0	.0	.1	.1	.3	.3	.3	.3	.2	.1	.0	.0			1550	1550	1	
76/ 75		.0	.0	.0	.1	.1	.3	.3	.3	.3	.2	.1	.1	.0				1673	1673	18	1
74/ 73		.0	.0	.0	.1	.2	.3	.4	.3	.3	.2	.1	.0	.0				1835	1836	103	6
72/ 71	.0	.0	.0	.1	.2	.4	.4	.4	.4	.2	.2	.1	.0					1944	1944	300	21
70/ 69	.0	.0	.1	.2	.3	.4	.5	.4	.3	.3	.2	.1	.0					2333	2333	551	73
68/ 67	.0	.1	.1	.2	.4	.4	.4	.4	.3	.2	.1	.0	.0					2431	2431	1199	159
66/ 65	.0	.1	.2	.3	.5	.5	.5	.3	.3	.2	.1	.0						2617	2617	1883	279
64/ 63	.0	.1	.3	.5	.5	.4	.4	.3	.3	.2	.1	.0						2769	2769	2563	479
62/ 61	.0	.2	.3	.5	.5	.5	.4	.4	.3	.1	.0							2747	2747	3038	717
60/ 59	.0	.2	.3	.5	.6	.4	.4	.4	.3	.1	.0							2909	2909	3434	1170
58/ 57	.0	.2	.4	.5	.5	.5	.4	.4	.2	.1	.0							2820	2820	3678	1782
56/ 55	.0	.2	.4	.5	.5	.5	.5	.4	.1	.0								2676	2676	3611	2333
54/ 53	.0	.2	.5	.5	.5	.5	.5	.3	.1	.0								2631	2631	3553	2601
52/ 51	.0	.2	.4	.5	.5	.5	.5	.2	.0									2641	2641	3449	2937
50/ 49	.0	.3	.6	.4	.6	.6	.4	.1	.0									2740	2740	3097	3091
48/ 47	.0	.4	.6	.6	.7	.6	.4	.1	.0									2983	2983	3346	3233
46/ 45	.0	.4	.4	.7	.8	.6	.2	.0	.0									2768	2768	3384	3444
44/ 43	.0	.3	.5	.9	.7	.5	.1	.0										2552	2552	3250	3008

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) ALL (MONTH)

 ALL (HOURS L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
42/ 41	.0	.3	.7	.8	.7	.5	.1	.0										2679	2679	3306	2997
40/ 39	.0	.3	.9	1.0	.8	.3	.0											2883	2883	3361	2843
38/ 37	.0	.4	.9	1.1	.6	.1	.0											2863	2865	3385	2852
36/ 35	.0	.5	1.0	1.2	.4	.0												2771	2772	3683	3059
34/ 33	.1	.7	1.2	1.0	.3	.0												2876	2877	3542	3056
32/ 31	.1	.9	1.6	1.1	.1	.0												3357	3360	3675	4313
30/ 29	.1	.8	1.3	.5	.0													2433	2435	3625	3530
28/ 27	.1	.9	1.2	.2	.0													2054	2055	3615	3477
26/ 25	.1	.8	.9	.2	.0													1746	1746	2967	4098
24/ 23	.1	.6	.5	.0														1025	1025	2286	2713
22/ 21	.0	.9	.5	.0														1272	1272	1721	3931
20/ 19	.1	1.2	.6	.0														1718	1718	1370	4423
18/ 17	.1	.9	.3	.0														1164	1165	1479	3168
16/ 15	.1	.8	.2	.0														1008	1009	1406	2848
14/ 13	.1	.9	.1															985	985	935	2400
12/ 11	.1	.8	.1															819	822	1026	1960
10/ 9	.1	.8	.1															806	806	935	1574
8/ 7	.0	.8	.0															727	727	854	1394
6/ 5	.0	.4	.0															397	397	689	824
4/ 3	.0	.6	.0															579	579	550	930
2/ 1	.0	.8																709	709	597	1054
0/ -1	.2	.3																413	413	596	664
-2/ -3	.1	.4																399	399	450	623
-4/ -5	.1	.2																292	292	280	590
-6/ -7	.1	.2																255	255	268	500
-8/ -9	.2	.0																187	187	293	439
-10/-11	.1	.0																118	118	135	431
-12/-13	.1																	50	50	50	239
-14/-15	.0																	42	42	42	354
-16/-17	.0																	20	20	20	278
-18/-19	.0																	4	4	4	265
-20/-21	.0																	1	1	1	183
-22/-23																					95
-24/-25																					44

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669-052

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 (STATION) CILLSWORTH AFB SD (STATION NAME) 73-82 (YEARS) ALL (MONTH)

 ALL (HOURS)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-26/-27																				34
-28/-29																				20
-30/-31																				7
-32/-33																				14
-34/-35																				7
-36/-37																				1
TOTAL	2.6	19.0	17.3	14.3	10.9	8.7	7.0	5.6	4.3	3.1	2.4	1.6	1.1	.8	.5	.3	.4	87606	87622	87606	87606

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	307002536	4918796	56.1	18.769	87606							
Dry Bulb	237606939	4138417	47.2	21.932	87622	177.8	2256.8	1810.8	1139.8	570.4	75.6	8760
Wet Bulb	162987187	3460265	39.5	17.331	87606	213.7	2985.4	217.3	12.2			8760
Dew Point	108929707	2670287	30.5	17.726	87606	482.5	4748.5	26.0	.7			8760

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

726625 ELLSWORTH AFB SD 73-82

STATION STATION NAME YEARS

HRS L S T		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	17.6	22.6	29.4	39.5	48.8	58.0	66.1	63.0	54.6	43.7	30.7	25.9	41.8
	S D	16.005	14.075	10.294	8.879	7.597	7.672	6.200	6.203	8.398	8.839	11.679	12.365	18.875
	TOTAL OBS	930	845	930	900	930	899	930	928	900	930	900	929	10951
03-05	MEAN	17.2	22.0	28.2	37.8	46.8	56.1	63.8	60.7	52.6	42.5	29.8	25.1	40.3
	S D	16.177	13.995	10.313	8.422	7.175	7.142	5.745	5.968	8.148	8.825	11.745	12.432	18.293
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955
06-08	MEAN	17.1	22.0	29.4	41.1	52.3	62.5	69.6	65.5	56.4	44.1	30.0	24.8	43.0
	S D	16.345	13.818	11.100	9.616	8.070	7.588	7.050	7.087	9.386	9.573	11.905	12.308	20.472
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	10955
09-11	MEAN	21.8	28.0	36.9	48.7	59.5	70.0	78.4	75.1	67.2	54.0	38.0	29.7	50.7
	S D	17.564	15.968	13.158	11.800	9.752	9.135	8.784	8.668	11.509	12.126	15.019	13.770	22.619
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	900	930	10955
12-14	MEAN	25.9	32.2	41.4	53.3	63.3	74.2	83.2	80.2	72.3	59.0	42.4	33.8	55.2
	S D	17.814	16.570	14.040	13.063	10.803	10.008	9.449	9.197	12.259	13.048	15.875	14.445	23.227
	TOTAL OBS	930	846	930	899	930	899	930	930	900	930	900	930	10954
15-17	MEAN	24.0	31.3	41.6	53.8	63.7	74.3	83.6	80.6	72.4	57.4	39.4	31.0	54.5
	S D	16.963	16.033	13.797	13.153	10.734	10.471	9.274	9.275	12.292	12.734	14.785	13.447	23.744
	TOTAL OBS	930	846	930	900	930	900	929	928	900	930	900	929	10952
18-20	MEAN	19.7	25.9	35.2	47.8	57.7	68.5	77.2	73.6	63.8	49.0	33.3	27.2	48.4
	S D	15.828	14.245	11.483	11.249	9.321	9.589	8.220	8.233	10.333	10.111	12.351	12.578	22.201
	TOTAL OBS	930	846	930	899	930	900	930	929	900	930	900	926	10950
21-23	MEAN	18.3	23.9	31.6	42.4	51.7	61.7	69.7	66.3	57.4	45.4	31.6	26.1	43.9
	S D	15.735	13.972	10.251	9.352	7.765	8.147	6.490	6.617	8.920	9.130	11.978	12.828	19.831
	TOTAL OBS	930	846	930	900	929	900	930	929	900	930	899	927	10950
ALL HOURS	MEAN	20.2	26.0	34.2	45.5	55.5	65.7	73.9	70.6	62.1	49.4	34.4	28.0	47.2
	S D	16.858	15.358	12.924	12.290	10.850	11.008	10.571	10.627	12.681	12.321	14.021	13.381	21.932
	TOTAL OBS	7440	6766	7439	7198	7439	7198	7438	7434	7200	7440	7199	7431	87622

USAFETAC FORM JUL 64 0 89 5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

726625 ELLSWORTH AFB SD 73-82

STATION STATION NAME YEARS

HRS L.S.T.		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	14.8	19.5	25.9	35.0	43.9	52.0	58.0	55.3	47.0	37.6	26.5	22.4	36.6
	S D	14.094	12.192	8.608	7.481	6.861	5.881	4.525	5.011	6.559	6.381	9.484	10.400	16.532
	TOTAL OBS	930	845	930	899	930	899	930	928	900	928	900	929	10948
03-05	MEAN	14.5	18.9	24.9	33.8	42.6	50.8	56.7	54.0	45.8	36.7	25.8	21.8	35.6
	S D	14.188	12.210	8.689	7.331	6.882	5.901	4.630	5.085	6.554	6.381	9.573	10.517	16.309
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955
06-08	MEAN	14.3	18.9	25.8	36.2	46.1	54.7	59.9	56.7	48.1	37.8	25.8	21.5	37.2
	S D	14.339	12.062	9.155	7.705	6.522	5.471	4.594	5.008	6.640	6.643	9.698	10.499	17.492
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	899	930	10954
09-11	MEAN	18.0	23.3	30.7	40.5	49.7	58.0	63.3	60.8	53.2	43.4	31.1	25.1	41.5
	S D	14.741	12.897	9.670	8.093	6.851	5.952	4.713	5.146	6.519	7.098	10.795	11.035	17.583
	TOTAL OBS	927	845	930	900	930	900	930	930	900	930	900	930	10952
12-14	MEAN	21.1	26.1	33.5	42.7	51.4	59.5	64.6	62.2	55.1	45.8	33.5	27.9	43.7
	S D	14.422	12.713	9.691	8.251	6.853	5.913	4.427	4.892	6.505	7.226	10.771	11.051	17.045
	TOTAL OBS	930	846	930	899	930	899	930	930	900	930	900	930	10954
15-17	MEAN	19.8	25.7	33.6	42.9	51.4	59.4	64.5	62.1	54.8	44.9	31.8	26.1	43.2
	S D	14.097	12.582	9.492	8.182	6.638	5.940	4.119	4.699	6.472	7.119	10.424	10.761	17.306
	TOTAL OBS	927	844	930	900	930	900	929	928	900	930	900	929	10947
18-20	MEAN	16.6	22.1	29.9	40.0	49.0	57.6	62.6	59.7	51.2	40.8	28.2	23.5	40.2
	S D	13.744	12.150	8.819	7.781	6.665	6.111	4.356	4.910	6.519	6.577	9.622	10.576	17.527
	TOTAL OBS	928	845	930	899	930	900	930	929	900	930	900	926	10947
21-23	MEAN	15.5	20.5	27.6	37.0	45.9	54.3	59.7	56.7	48.3	38.7	27.0	22.6	37.9
	S D	13.791	12.083	8.446	7.423	6.638	5.844	4.442	4.967	6.488	6.424	9.540	10.764	16.860
	TOTAL OBS	930	846	930	900	929	900	930	928	900	930	899	927	10949
ALL HOURS	MEAN	16.8	21.9	29.0	38.5	47.5	55.8	61.2	58.4	50.4	40.7	28.7	23.9	39.5
	S D	14.378	12.656	9.637	8.439	7.438	6.663	5.281	5.786	7.360	7.510	10.386	10.914	17.331
	TOTAL OBS	7432	6763	7439	7197	7439	7198	7438	7433	7200	7438	7198	7431	87606

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

726625 ELLSWORTH AFB SD 73-82

STATION STATION NAME YEARS

HRS L S T		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	6.1	11.2	18.9	28.6	38.6	46.9	52.1	49.1	39.3	29.7	18.3	14.3	29.5
	S D	14.935	12.942	9.987	8.543	8.516	6.652	6.678	7.063	8.103	6.897	9.454	10.414	17.782
	TOTAL OBS	930	845	930	899	930	899	930	928	900	928	900	929	10948
03-05	MEAN	5.5	10.7	18.1	27.9	37.7	46.1	51.4	48.5	38.8	29.0	17.7	13.8	28.9
	S D	15.050	13.053	9.081	8.461	8.664	6.889	6.733	7.003	8.052	6.815	9.432	10.698	17.779
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955
06-08	MEAN	5.2	10.5	18.6	29.6	39.7	48.4	53.3	50.1	40.1	29.7	17.6	13.5	29.8
	S D	15.077	13.087	9.308	8.264	8.260	6.728	6.442	6.880	7.937	6.685	9.616	10.780	18.482
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	899	930	10954
09-11	MEAN	8.0	13.1	20.7	30.6	40.5	49.1	53.7	50.9	41.2	31.4	20.0	15.9	31.4
	S D	14.880	12.866	8.994	8.531	8.704	7.505	6.819	7.552	8.076	6.682	9.412	10.772	17.857
	TOTAL OBS	927	845	930	900	930	900	930	930	900	930	900	930	10952
12-14	MEAN	10.3	14.6	21.7	30.5	40.6	49.1	53.1	50.2	40.7	31.6	20.2	17.3	31.8
	S D	14.186	12.030	8.729	8.495	8.595	7.536	6.905	7.625	8.225	7.090	9.155	10.539	17.061
	TOTAL OBS	930	846	930	899	930	899	930	930	900	930	900	930	10954
15-17	MEAN	9.9	14.8	21.4	30.5	40.3	48.9	52.5	49.6	39.9	31.3	20.0	16.7	31.4
	S D	14.169	12.171	8.862	8.426	8.612	7.552	6.959	7.753	8.263	7.093	9.173	10.604	17.018
	TOTAL OBS	927	844	930	900	930	900	929	928	900	930	900	929	10947
18-20	MEAN	7.8	13.2	20.8	30.3	40.7	49.7	53.1	49.7	39.6	30.8	18.9	15.4	30.9
	S D	14.426	12.780	8.885	8.403	8.702	7.381	7.092	7.606	8.613	7.085	9.312	10.772	17.771
	TOTAL OBS	928	845	930	899	930	900	930	929	900	930	900	926	10947
21-23	MEAN	6.7	12.2	20.0	29.8	39.8	48.4	52.7	49.4	39.5	30.3	18.4	14.5	30.2
	S D	14.448	12.743	8.883	8.426	8.533	6.751	6.799	7.328	8.245	6.948	9.365	10.746	17.805
	TOTAL OBS	930	846	930	900	929	900	930	928	900	930	899	927	10949
ALL HOURS	MEAN	7.4	12.5	20.0	29.7	39.7	48.3	52.7	49.7	39.9	30.5	18.9	15.2	30.5
	S D	14.753	12.804	9.052	8.491	8.682	7.222	6.839	7.385	8.220	6.968	9.415	10.740	17.726
	TOTAL OBS	7432	6763	7439	7197	7439	7198	7438	7433	7200	7438	7198	7431	87606

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

726625 (STATION) ELLSWORTH AFB SC (STATION NAME) 73-82 (PERIOD) JAN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.5	95.3	82.3	52.3	23.7	4.7	.8	61.4	930
	03-05	100.0	100.0	99.0	94.9	78.9	50.6	23.1	5.3	1.1	6 .9	930
	06-08	100.0	100.0	99.5	94.5	77.2	52.2	21.8	4.4	.5	6 .9	97
	09-11	100.0	100.0	96.4	87.9	66.3	42.0	17.7	2.9	.3	56.5	927
	12-14	100.0	99.2	93.4	81.5	58.4	34.3	11.8	3.0	.3	53.9	930
	15-17	100.0	99.7	96.9	88.0	68.0	37.6	13.2	3.5	.5	56.5	927
	18-20	100.0	100.0	99.7	94.4	82.5	51.4	21.1	3.7	.5	61.7	928
	21-23	100.0	100.0	99.5	95.6	83.7	53.7	20.8	4.3	.9	61.4	930
TOTALS		100.0	99.9	98.0	91.6	74.7	46.8	19.1	4.1	.6	59.0	7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14-625 ELLSWORTH AFB SD 73-82 FEB
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	99.9	98.0	95.0	81.9	55.7	31.8	10.1	2.7	62.8	845
	03-05	100.0	99.9	97.8	95.3	79.7	56.9	31.3	9.2	3.2	63.1	846
	06-08	100.0	99.9	98.6	94.1	79.3	54.6	29.7	8.4	2.4	62.5	846
	09-11	100.0	99.1	94.3	80.5	61.2	42.0	21.2	7.2	1.3	56.2	845
	12-14	100.0	97.8	86.4	70.4	53.1	33.6	13.4	3.3	1.1	51.5	846
	15-17	100.0	98.6	89.8	74.6	56.2	36.0	17.5	5.0	.6	53.3	844
	18-20	100.0	100.0	97.9	92.0	74.3	48.5	25.7	6.9	1.1	60.2	845
	21-23	100.0	100.0	98.8	94.8	79.9	52.5	28.0	10.5	2.1	62.2	845
TOTALS		100.0	99.4	95.2	87.1	70.7	47.5	24.8	7.3	1.8	59.2	6763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

726625 ELLSWORTH AFB SD 73-82 MAR
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	98.9	93.8	83.9	67.1	42.6	20.3	4.2	66.6	930
	03-05	100.0	99.3	99.2	95.2	85.6	69.7	45.7	20.9	4.1	67.6	930
	06-08	100.0	99.8	95.6	93.4	84.3	65.7	41.3	17.8	3.1	66.3	929
	09-11	100.0	98.6	88.3	76.6	61.4	41.2	23.3	9.6	1.4	55.7	930
	12-14	100.0	94.7	79.0	64.1	47.0	32.6	17.2	7.4	.6	49.9	930
	15-17	100.0	94.4	78.4	60.8	44.3	31.0	17.3	6.9	1.3	49.1	93
	18-20	100.0	99.6	94.0	80.3	66.2	46.7	29.9	12.6	2.7	58.7	93
	21-23	100.0	100.0	98.9	91.4	77.9	58.8	36.8	17.7	3.9	64.2	930
TOTALS		100.0	98.4	91.9	82.0	69.1	51.6	31.8	14.2	2.7	59.7	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72[illegible]25 ELLSWORTH AFB SD 73-82 APR
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90		
APR	00-02	100.0	100.0	99.4	94.3	80.5	65.1	45.7	23.8	5.7	67.	899
	03-05	100.0	100.0	99.8	96.3	86.9	71.2	47.7	25.1	6.2	68.9	[illegible]
	06-08	100.0	100.0	99.8	95.3	79.7	62.8	40.7	21.3	5.8	65.7	901
	09-11	100.0	98.3	87.2	68.9	52.1	36.4	21.7	12.6	2.9	53.5	91[illegible]
	12-14	100.0	93.6	72.9	53.6	39.2	25.9	13.3	8.3	1.7	46.2	899
	15-17	100.0	92.9	70.4	50.9	37.1	24.8	14.3	8.4	1.4	45.7	9[illegible]
	18-20	100.0	98.3	89.3	70.6	53.1	38.4	24.1	13.3	2.7	54.6	899
	21-23	100.0	100.0	98.1	88.9	72.6	55.4	37.7	18.6	5.0	63.5	9[illegible]
TOTALS		100.0	97.8	89.5	77.1	62.7	47.3	30.6	16.4	3.9	5[illegible].1	719[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

726625 ELLSWORTH AFB SD 73-82 MAY
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.8	96.8	88.5	70.0	47.6	25.6	4.1	67.3	93
	03-05	100.0	100.0	99.7	98.3	93.0	77.2	51.1	29.0	9.8	71.8	93
	06-08	100.0	99.9	98.3	91.9	76.6	56.9	38.0	20.4	7.0	64.4	93
	09-11	100.0	99.4	91.0	67.6	46.7	31.5	19.2	9.9	3.2	57.6	93
	12-14	99.9	97.0	83.1	54.3	34.8	23.5	15.2	5.7	1.3	46.9	93
	15-17	100.0	97.0	76.5	50.2	35.4	24.2	15.3	5.9	1.9	46.2	93
	18-20	100.0	99.2	93.1	74.5	55.3	41.2	26.7	12.9	3.8	56.2	93
	21-23	100.0	99.9	99.6	92.6	79.1	60.7	41.3	20.1	6.2	65.6	929
TOTALS		100.0	99.1	92.1	78.3	63.7	48.2	31.8	16.2	5.2	59.2	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72762 ELLSWORTH AFB SD 73-82 JUN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	99.4	96.2	85.8	66.6	49.6	22.1	4.7	66.4	899
	03-05	100.0	99.9	99.6	97.9	90.7	76.0	54.4	24.9	4.3	7[illegible].6	900
	06-08	100.0	99.8	97.2	90.2	77.6	55.1	30.6	9.9	1.9	62.[illegible]	900
	09-11	100.0	98.1	90.1	75.7	45.2	21.4	10.3	4.6	.7	49.9	900
	12-14	100.0	95.7	81.8	54.4	30.1	11.6	5.3	1.9	.6	43.7	899
	15-17	100.0	94.3	79.8	53.0	30.1	15.1	6.9	2.3	.6	43.8	900
	18-20	100.0	98.9	92.0	77.7	57.1	33.7	17.2	5.6	.8	53.9	900
	21-23	100.0	99.7	98.9	93.3	78.7	59.6	37.3	14.0	2.4	63.9	900
TOTALS		100.0	98.3	92.4	78.8	61.9	42.6	26.5	10.7	2.0	57.0	7198

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

726625 ELLSWORTH AFB SD 73-82 JUL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	99.8	97.7	88.5	74.4	55.3	33.4	14.4	5.4	67.8	930
	03-05	100.0	100.0	98.4	93.1	81.1	63.5	39.6	19.5	6.7	66.1	929
	06-08	100.0	99.9	96.7	85.8	65.1	43.4	24.1	10.8	4.3	58.7	93
	09-11	100.0	96.6	79.6	56.9	32.8	16.7	8.1	3.2	1.2	45.2	93
	12-14	100.0	89.6	65.1	38.8	18.3	9.6	5.3	2.0	.6	38.5	930
	15-17	100.0	87.6	61.2	34.7	17.1	10.3	5.4	1.7	1.0	37.5	929
	18-20	100.0	96.3	80.9	53.5	35.8	20.4	11.2	4.1	1.4	46.5	930
	21-23	100.0	99.9	94.1	82.5	62.7	44.0	22.5	9.9	2.7	57.5	930
TOTALS		100.0	96.2	84.2	67.4	48.4	32.9	18.7	8.2	2.9	51.6	7438

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

726625 ELLSWORTH AFB SD 73-82 AUG
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	98.5	91.3	74.2	53.9	31.6	12.7	4.8	62.6	928
	03-05	100.0	100.0	99.1	94.7	81.6	62.5	40.1	16.9	7.0	66.1	930
	06-08	100.0	99.6	96.7	86.6	69.6	46.9	26.9	11.6	4.4	59.9	930
	09-11	100.0	95.5	81.3	59.2	35.2	18.9	6.7	2.5	.9	45.6	930
	12-14	100.0	88.5	65.9	37.4	19.9	7.6	3.0	1.3	.3	38.0	930
	15-17	100.0	86.5	61.0	34.8	20.4	7.8	3.7	1.6	.4	37.1	926
	18-20	100.0	96.1	80.0	56.4	36.0	21.4	9.3	3.3	.8	46.0	929
	21-23	100.0	99.9	95.6	82.1	59.8	40.4	21.1	10.1	2.7	56.9	928
TOTALS		100.0	95.7	84.8	67.8	49.6	32.4	17.8	7.5	2.7	51.5	7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) SEP (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	96.6	85.8	65.4	45.8	25.4	8.1	2.8	58.7	900
	03-05	100.0	99.9	98.1	88.9	72.9	51.4	31.4	11.6	3.7	61.6	900
	06-08	100.0	99.8	93.7	80.6	63.1	41.3	24.7	10.6	4.1	57.4	900
	09-11	100.0	91.3	71.0	47.1	29.1	16.7	9.6	4.0	1.0	42.7	900
	12-14	100.0	81.2	55.3	33.1	15.0	8.8	5.3	2.2	.4	35.6	900
	15-17	100.0	78.9	52.1	29.2	15.4	8.7	5.4	1.8	.3	34.6	900
	18-20	100.0	95.0	73.9	52.6	33.3	19.1	8.9	3.6	1.8	44.5	900
	21-23	100.0	99.7	93.2	73.6	54.1	35.8	17.8	6.2	2.2	54.0	900
TOTALS		100.0	93.2	79.2	61.4	43.5	28.5	16.1	6.0	2.0	48.6	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

726625 ELLSWORTH AFB SD 73-82 OCT

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	96.8	85.5	71.0	49.5	27.9	10.7	4.0	6[illegible].1	926
	03-05	100.0	99.9	96.6	88.1	73.5	52.0	30.8	12.4	3.3	61.3	930
	06-08	100.0	99.4	95.8	85.1	69.2	48.2	28.0	11.8	3.7	59.8	930
	09-11	100.0	95.2	75.6	53.0	36.2	23.5	14.0	7.1	2.5	46.3	930
	12-14	100.0	87.2	59.7	37.8	25.7	16.0	9.8	5.2	1.9	4[illegible].0	930
	15-17	100.0	89.0	65.5	42.3	27.4	17.8	11.3	5.2	1.9	41.7	930
	18-20	100.0	98.6	88.2	70.6	51.4	32.8	19.4	8.1	3.7	53.3	93[illegible]
	21-23	100.0	100.0	94.7	82.8	64.5	43.4	25.4	11.5	4.2	58.3	930
TOTALS		100.0	96.2	84.1	68.2	52.4	35.4	20.8	9.0	3.2	52.6	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725625 ELLSWORTH AFB SD 73-82 NOV
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	98.0	90.6	77.0	52.3	30.6	12.7	2.0	62.0	900
	03-05	100.0	100.0	97.7	91.7	77.7	55.0	30.2	13.6	1.9	62.4	900
	06-08	100.0	100.0	98.2	90.7	75.9	52.2	29.8	14.3	1.6	61.9	899
	09-11	100.0	97.1	87.1	66.7	50.6	34.7	21.8	10.4	1.4	52.4	900
	12-14	100.0	92.8	74.0	50.6	37.0	26.9	16.4	8.0	1.0	46.1	900
	15-17	100.0	96.7	81.9	61.0	43.2	31.3	19.3	8.4	.6	50.1	900
	18-20	100.0	99.8	95.6	85.3	63.8	42.6	26.9	11.0	1.1	58.1	900
	21-23	100.0	100.0	97.8	88.0	71.1	49.3	28.3	12.6	2.2	60.4	899
TOTALS		100.0	98.3	91.3	78.1	62.0	43.0	25.4	11.4	1.5	56.7	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) DEC (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	99.8	98.3	94.1	82.8	58.3	28.0	11.2	2.5	63.0	929
	03-05	100.0	99.9	98.6	94.0	82.5	59.2	30.3	11.9	2.7	63.7	930
	06-08	100.0	100.0	98.6	94.2	81.8	59.0	30.9	11.9	3.3	63.6	930
	09-11	100.0	99.0	96.3	86.3	67.5	45.8	22.9	9.7	3.3	58.8	930
	12-14	100.0	98.0	91.6	75.7	56.0	37.7	15.7	7.6	2.5	54.1	930
	15-17	100.0	99.0	95.9	84.4	65.3	45.6	21.2	9.4	2.7	57.9	929
	18-20	100.0	100.0	98.5	92.4	79.4	55.0	29.8	12.4	3.2	62.7	926
	21-23	100.0	99.9	98.2	93.1	82.2	56.7	30.0	12.6	2.8	63.1	927
TOTALS		100.0	99.5	97.0	89.3	74.7	52.2	26.1	10.8	2.9	60.9	7431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

726625 (STATION) ELLSWORTH AFB SD (STATION NAME) 73-82 (PERIOD) ALL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	98.0	91.6	74.7	46.8	19.1	4.1	.6	59.0	7432
FEB		100.0	99.4	95.2	87.1	70.7	47.5	24.8	7.3	1.8	59.0	6763
MAR		100.0	98.4	91.9	82.0	69.1	51.6	31.8	14.2	2.7	59.7	7439
APR		100.0	97.8	89.5	77.1	62.7	47.3	30.6	16.4	3.9	58.1	7197
MAY		100.0	99.1	92.1	78.3	63.7	48.2	31.8	16.2	5.2	59.2	7439
JUN		100.0	98.3	92.4	78.8	61.9	42.6	26.5	10.7	2.0	57.0	7198
JUL		100.0	96.2	84.2	67.4	48.4	32.9	18.7	8.2	2.9	51.6	7438
AUG		100.0	95.7	84.8	67.8	49.6	32.4	17.8	7.5	2.7	51.5	7433
SEP		100.0	93.2	79.2	61.4	43.5	28.5	16.1	6.0	2.0	48.6	7200
OCT		100.0	96.2	84.1	68.2	52.4	35.4	20.8	9.0	3.2	52.6	7438
NOV		100.0	98.3	91.3	78.1	62.0	43.0	25.4	11.4	1.5	56.7	7198
DEC		100.0	99.5	97.0	89.3	74.7	52.2	26.1	10.8	2.9	60.9	7431
TOTALS		100.0	97.7	90.0	77.3	61.1	42.4	24.1	10.2	2.6	56.2	d7606

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

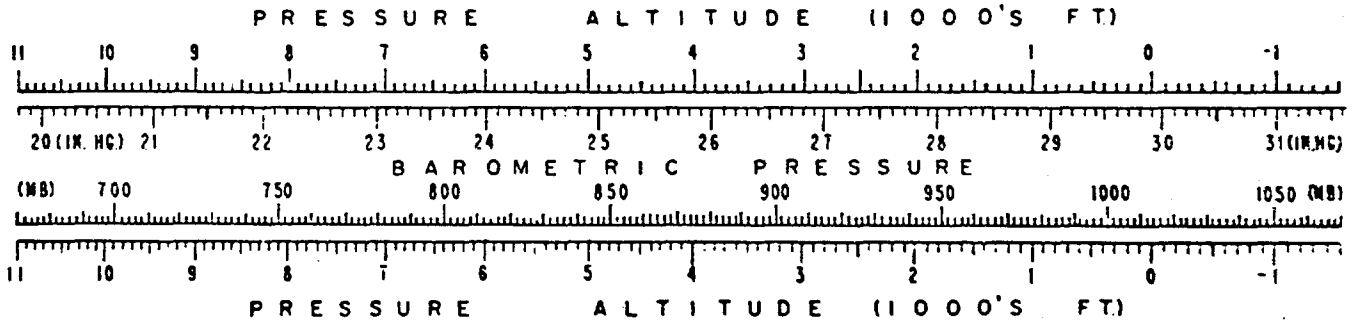
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

726625 ELLSWORTH AFB SD 73-82

STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
02	MEAN	26.573	26.569	26.479	26.523	26.518	26.547	26.602	26.599	26.621	26.608	26.595	26.543	26.565
	S D	.214	.199	.207	.208	.173	.149	.131	.135	.170	.194	.210	.218	.191
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
05	MEAN	26.564	26.565	26.478	26.526	26.523	26.556	26.611	26.603	26.625	26.609	26.595	26.541	26.566
	S D	.214	.201	.204	.209	.173	.148	.130	.138	.173	.195	.209	.217	.191
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
08	MEAN	26.579	26.583	26.495	26.543	26.534	26.569	26.627	26.621	26.642	26.628	26.614	26.559	26.583
	S D	.216	.203	.204	.211	.177	.150	.133	.138	.174	.192	.210	.220	.193
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	26.584	26.589	26.491	26.538	26.523	26.560	26.619	26.613	26.633	26.620	26.609	26.565	26.579
	S D	.221	.204	.206	.210	.178	.149	.133	.137	.176	.193	.210	.220	.193
	TOTAL OBS	310	281	310	300	310	300	310	310	299	310	300	309	3649
14	MEAN	26.546	26.552	26.458	26.510	26.498	26.534	26.594	26.585	26.601	26.584	26.572	26.530	26.547
	S D	.218	.204	.204	.207	.178	.150	.132	.134	.172	.189	.209	.218	.191
	TOTAL OBS	310	281	310	300	310	299	310	310	300	310	300	310	3650
17	MEAN	26.566	26.563	26.462	26.505	26.486	26.517	26.573	26.569	26.598	26.590	26.586	26.546	26.547
	S D	.212	.201	.200	.201	.176	.146	.132	.132	.165	.185	.208	.215	.188
	TOTAL OBS	310	282	310	300	310	300	309	310	299	310	300	309	3649
20	MEAN	26.576	26.577	26.487	26.533	26.510	26.536	26.590	26.592	26.626	26.611	26.597	26.554	26.565
	S D	.215	.202	.197	.200	.172	.144	.129	.131	.164	.187	.211	.218	.188
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
23	MEAN	26.575	26.575	26.488	26.541	26.525	26.553	26.611	26.605	26.633	26.611	26.597	26.556	26.572
	S D	.214	.202	.202	.205	.172	.148	.131	.131	.167	.192	.213	.219	.190
	TOTAL OBS	310	282	310	300	309	300	310	309	300	310	299	309	3648
ALL HOURS	MEAN	26.570	26.572	26.480	26.527	26.515	26.547	26.603	26.598	26.622	26.607	26.596	26.549	26.565
	S D	.216	.202	.203	.207	.175	.149	.132	.135	.170	.191	.210	.219	.191
	TOTAL OBS	2480	2254	2480	2400	2479	2399	2479	2479	2398	2480	2398	2476	29202

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

726625 ELLSWORTH AFB SD 73-82

STATION STATION NAME YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
02	MEAN	1019.3	1018.3	1013.4	1013.6	1012.0	1011.9	1013.1	1013.3	1015.1	1016.1	1017.8	1016.9	1015.0
	S D	9.721	9.050	8.974	8.656	7.221	6.167	5.514	5.617	7.228	8.210	9.004	9.433	8.369
	TOTAL OBS	309	292	310	300	310	300	310	310	300	310	300	309	3650
05	MEAN	1019.3	1018.4	1013.6	1013.8	1012.3	1012.4	1013.6	1013.7	1015.5	1016.5	1018.3	1017.2	1015.4
	S D	9.675	9.105	8.860	8.659	7.223	6.087	5.460	5.728	7.280	8.166	8.863	9.368	8.324
	TOTAL OBS	310	282	310	300	309	299	310	310	300	310	300	310	3650
08	MEAN	1020.1	1019.3	1014.5	1014.5	1012.7	1012.8	1014.2	1014.3	1016.2	1017.4	1019.2	1018.0	1016.1
	S D	9.790	9.084	8.762	8.613	7.280	6.068	5.549	5.715	7.252	8.000	8.834	9.487	8.362
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	1019.9	1019.2	1014.0	1014.1	1012.2	1012.4	1013.7	1013.9	1015.6	1016.7	1018.5	1017.8	1015.6
	S D	9.970	9.168	8.803	8.605	7.358	6.066	5.599	5.719	7.303	7.958	8.948	9.479	8.420
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
14	MEAN	1018.3	1017.6	1012.6	1013.0	1011.2	1011.4	1012.8	1012.7	1014.3	1015.1	1016.9	1016.3	1014.3
	S D	9.784	9.138	8.769	8.466	7.326	6.121	5.575	5.598	7.173	7.822	8.936	9.428	8.291
	TOTAL OBS	310	282	310	300	310	299	310	309	300	310	300	310	3650
17	MEAN	1019.4	1018.3	1012.9	1013.0	1010.8	1010.8	1012.1	1012.3	1014.3	1015.8	1018.0	1017.4	1014.6
	S D	9.611	9.042	8.603	8.307	7.292	5.981	5.528	5.507	6.984	7.701	8.628	9.317	8.361
	TOTAL OBS	310	282	310	300	309	300	309	310	299	310	300	309	3648
20	MEAN	1019.9	1019.1	1014.2	1014.1	1011.8	1011.5	1012.7	1013.2	1015.6	1016.8	1018.6	1017.9	1015.4
	S D	9.769	9.040	8.472	8.303	7.126	5.888	5.409	5.453	6.898	7.816	8.954	9.504	8.333
	TOTAL OBS	309	282	310	300	308	299	310	310	300	310	300	309	3647
23	MEAN	1019.5	1018.6	1013.9	1014.3	1012.3	1012.2	1013.5	1013.5	1015.6	1016.4	1018.1	1017.5	1015.4
	S D	9.771	9.208	8.701	8.526	7.245	6.098	5.542	5.531	7.042	8.043	9.151	9.558	8.346
	TOTAL OBS	310	282	310	300	309	299	310	309	300	310	300	309	3648
ALL HOURS	MEAN	1019.5	1018.6	1013.6	1013.8	1011.9	1011.9	1013.2	1013.4	1015.3	1016.4	1018.2	1017.4	1015.2
	S D	9.762	9.107	8.753	8.523	7.273	6.082	5.548	5.634	7.163	7.980	8.949	9.449	8.367
	TOTAL OBS	2478	2256	2480	2400	2475	2396	2479	2478	2399	2480	2400	2476	29197

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