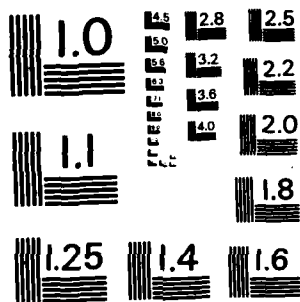


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SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS 83/018 SBI-AD-E850 396 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

ADA131888

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DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

WIND: 101 21 ELEV 1608 FT MDC #017675
DATE: 25 101 21 101 21 101 21
FA: 101 21 101 21 101 21 101 21
PERIOD OF RECORD: 101 21 101 21 101 21
SUMMARY OF DAY DATA: 101 21 101 21 101 21
TIME CONVERSION GMT TO LST: -6

APR 25 1983

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Wayne E. McCollom

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
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4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-		5. TYPE OF REPORT & PERIOD COVERED Final rept															
6. PERFORMING ORG. REPORT NUMBER		7. AUTHOR(s) MINOT AFB, NORTH DAKOTA															
8. CONTRACT OR GRANT NUMBER(s)		9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB, IL 62225															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*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)
*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 statistical summary of surface weather observations for MINOT AFB, NORTH 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																	

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

*NORTH DAKOTA

*MINOT AFB

*

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 occurrence or cumulative percentage frequency of occurring tables.

Accession For	
MTIS	☒
DTIC TAB	☐
Unannounced	☐
Justification	☐
By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
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USAF ETHC DS-83/018

ADE 850 396

US NO 727675

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO 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: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 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 _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

STATION NO OR SUMMARY 727675	STATION NAME MINOT AFB NORTH DAKOTA	LATITUDE N 48 25	LONGITUDE W 101 21	FIELD ELEV (FT) 1668	CALL SIGN MIB	WMO NUMBER

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	Minot AFB North Dakota	AFB	Mar 60	Nov 60	N 48 25	W 101 20	1678	1631 ft	24
2	Same	Same	Dec 60	Feb 65	Same	Same	Same	1654 ft	24
3	Same	Same	Mar 65	Feb 66	Same	W 101 21	Same	Same	24
4	Same	Same	Mar 66	Oct 67	Same	Same	Same	1657 ft	24
5	Same	Same	Nov 67	Dec 70	Same	Same	Same	1629 ft	24
6	Same	Same	Jan 71	Feb 78	Same	Same	1666 ft	Same	24
7	Same	Same	Mar 78	Dec 82	Same	Same	1668 ft	1631 ft	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	Mar 60	Located on top of control tower.	AN/GMQ-11	N/A	65 ft.	
2	Apr 60	Located in open area adjacent to active runway, 2000 ft WSW of observing bldg.	Same	RO-2	18 ft.	
3	Dec 60	Located 2000 ft from touchdown point adjacent to primary runway 29.	Same	Same	10 ft.	
4	Mar 62	Located in open area adjacent to active runway, 2000 ft WSW of observing bldg.	Same	Same	18 ft.	
5	Mar 65	1. Located 800 ft NE of centerline, 2950 ft N of end of runway 29.	Same	Same	19 ft.	
		2. Located 650 ft SW of centerline, 1500 ft S of end of runway 11.	Same		15 ft.	

NUMBER OF CATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	Dec 70	1. Same 2. Same	AN/GMO-11 Same	RO-362 Same	Same Same	
7	Jan 71	1. Located 800 ft from centerline 3010 ft N end of rnwy 29. 2. Located 650 ft. SW from centerline 1500 ft S of end of rnwy 11.	Same Same	Same	19 ft. 15 ft.	
8	Feb 78	1. Same 2. Same	Same Same	Same	Same Same	
9	Dec 82	1. Same 2. Same	Same	Same	Same	

U S AIR FORCE
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A

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

727575 MINOT AFB ND

73-82

JAN

STATION

STATION NAME

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			.9	27.5		28.4	2.8		8.8	.3	11.6	933
	03-05			1.1	29.5		29.8	2.4		6.8	.5	9.1	933
	06-08		.3	.8	30.9		31.6	4.0	.1	8.1	.4	11.9	933
	09-11			.4	28.5		28.8	4.8		12.3	.3	16.8	933
	12-14		.2	.6	28.1		28.3	3.4		15.2	.5	18.3	933
	15-17		.3	.1	23.1		23.5	2.4		13.7	.5	15.6	933
	18-20				23.9		23.9	.8		11.0	.3	11.4	933
	21-23		.5	.2	27.2		28.0	2.0		8.9	.3	10.5	933
TOTALS			.2	.5	27.3		27.8	2.8	.3	10.6	.4	13.2	7443

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575 MINOT AFB ND

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	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		.1	1.1	25.1		25.9	5.9		5.8		11.1	846
	03-05		.2	.8	27.0		27.5	7.2		7.0		14.1	846
	06-08		.5	1.4	29.6		31.0	8.4		5.7		14.1	846
	09-11		.1	1.7	31.0		32.3	9.7		9.1		18.7	846
	12-14			.7	27.9		28.6	7.1	.2	12.4		19.4	846
	15-17		.6	.6	25.3		26.4	5.9		12.2	.1	17.8	846
	18-20		.7	.6	20.2		21.5	5.9	.1	8.0		13.7	846
	21-23		.5	.5	23.6		24.5	5.8		5.8		11.1	846
TOTALS			.3	.9	26.2		27.2	7.0	.3	8.3	.0	15.0	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST.	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		1.5	1.0	15.9		17.7	5.1	.2	3.7		9.0	919
	03-05		1.6	.8	16.4		17.8	5.5		2.9		9.6	921
	06-08		1.8	1.2	19.1		20.2	7.7	.4	3.4		11.5	921
	09-11		2.2	.3	17.9		19.2	9.9	.1	5.4	.1	14.4	921
	12-14		2.3	.5	14.1		15.5	5.4		4.3	.3	10.1	921
	15-17		1.2	.9	12.5		13.5	2.8		5.2	.2	6.3	921
	18-20		2.0	.4	12.8		14.5	3.3	.2	4.6		7.8	921
	21-23		2.0	.4	16.0		17.5	4.9	.2	4.6		9.7	919
TOTALS			1.8	.7	15.6		17.0	5.6	.1	4.3	.1	10.1	7364

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575 MINOT AFB ND

73-82

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	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	.6	8.6	1.4	6.7		15.4	7.1		.6	.8	8.6	900
	03-05	.2	6.0	1.3	6.2		13.1	8.9		.7	.2	9.8	900
	06-08		5.8	.4	9.4		14.4	10.6		1.6		12.1	900
	09-11	.1	5.0	.2	8.0		12.4	5.6		1.9	.3	7.7	900
	12-14	.1	7.3	.2	6.1	.1	12.7	3.8	.2	2.0	.8	6.6	900
	15-17	.1	8.1		5.7	.1	13.1	2.3	.7	1.3	.9	5.2	900
	18-20	.9	7.9	.3	5.2		12.9	3.5	.1	1.6	1.4	6.6	898
	21-23	.4	7.8	.8	4.1		11.9	3.8		1.0	1.3	6.1	900
TOTALS		.3	7.1	.6	6.4	.0	13.2	5.7	.1	1.4	.7	7.8	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% 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	1.2	9.7		1.0		10.3	3.9			.6	4.5	933
	03-05	.1	8.2		.9		8.8	4.9	.1		.3	5.4	933
	06-08	.2	9.8		1.0		10.6	7.0	.2		.4	7.6	933
	09-11	.2	8.8		1.4		9.8	3.4	.3		.9	4.5	933
	12-14	.2	9.7		.8		10.3	3.0	.3		.9	3.9	933
	15-17	1.9	8.8		1.3		9.7	2.9	.3		.9	3.9	933
	18-20	1.8	10.5		1.3		11.6	2.0	.3	.1	1.5	4.0	933
	21-23	1.7	8.6		1.1		9.4	3.0	.1		.4	3.4	933
TOTALS		.9	9.3		1.1		10.1	3.8	.2	.0	.7	4.7	7443

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	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	3.1	10.4				10.4	1.1				1.1	900
	03-05	2.3	9.1				9.1	2.7				2.7	900
	06-08	1.1	8.1				8.1	3.7	.1			3.8	900
	09-11	.7	6.6				6.6	2.7	.1			2.8	900
	12-14	1.3	7.6				7.6	2.2				2.2	900
	15-17	3.3	8.8				8.8	.9				.9	900
	18-20	3.7	7.7				7.7	1.3				1.3	900
	21-23	3.7	9.2				9.2	.7			.1	.8	900
TOTALS		2.4	8.4				8.4	1.9	.2		.2	2.0	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575

MINOT AFB ND

73-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	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	2.4	4.5				4.5	1.5	.2			1.7	930
	03-05	2.5	4.7				4.7	3.2				3.2	930
	06-08	1.2	3.1				3.1	4.3	.1			4.3	930
	09-11	.8	3.5				3.5	.6	.5			1.2	930
	12-14	1.1	3.1				3.1	.2	.3			.5	930
	15-17	2.2	3.2				3.2		.1			.1	930
	18-20	3.2	5.0				5.0	.1				.1	929
	21-23	2.9	2.4				2.4	.1	.2			.3	929
TOTALS		2.0	3.7				3.7	1.3	.2			1.4	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND

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	1.9	4.0			.1	4.0	1.4	.3			1.7	930
	03-05	1.6	6.3				6.3	2.9	.3			3.2	930
	06-08	1.3	7.4				7.4	7.8	.6			8.5	930
	09-11	1.1	8.0				8.0	4.6	.4			5.1	929
	12-14	1.2	5.9				5.9	1.8	.8		.2	2.8	930
	15-17	1.4	3.9				3.9	.8	.4		.6	1.8	930
	18-20	2.7	4.6			.1	4.6	.6	.3			1.0	930
	21-23	2.3	4.2				4.2	1.1	.8		.1	1.9	930
TOTALS		1.7	5.5			.0	5.5	2.6	.5		.1	3.3	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727675
STATION

MINOT AFB ND

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	.6	7.8				7.8	3.6				3.6	900
	03-05	.8	7.9				7.9	4.7				4.7	900
	06-08	.6	8.9				8.9	8.0	.8			8.8	900
	09-11	.4	7.7				7.7	5.7	.6			6.1	900
	12-14	.2	7.7				7.7	2.7	.3		.2	3.2	900
	15-17		7.0				7.0	2.0	.6		.3	2.9	900
	18-20	.7	7.4		.1		7.6	2.8	.1		.2	3.0	900
	21-23	.4	6.3				6.3	3.1				3.1	900
TOTALS		.5	7.6		.0		7.6	4.1	.3		.1	4.4	7200

WEATHER CONDITIONS

3CT
MONTH

MONTH	HOURS LST.	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		5.1		3.0		8.0	4.6	.1			4.7	933
	03-05		4.5		3.3		7.3	4.5			.1	4.6	933
	06-08		5.6		2.9		7.8	5.9		.3		6.2	933
	09-11	.2	5.7		3.2		9.0	6.6	.1	.5	.2	7.3	933
	12-14		6.0		3.3		9.0	5.2	.5	.4	.6	6.5	933
	15-17		5.4		1.9		7.2	2.5	.2	.1	.8	3.4	933
	18-20		6.6		1.3	.2	7.4	1.9	.1	.3	.2	2.6	933
	21-23	.1	4.7		3.1		7.2	2.4		.4		2.8	933
TOTALS		.0	5.5		2.8	.0	7.9	4.2	.1	.3	.2	4.8	7443

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	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		1.0	.6	13.2		14.2	4.2	.1	1.1		5.2	933
	03-05		.3	.4	16.4		16.9	4.7		.7	.2	5.6	933
	06-08		1.0	.9	17.7		19.1	5.9		.9		6.8	933
	09-11		.9	.6	16.3		17.7	7.3		1.4		8.8	933
	12-14		1.0	.3	16.3		17.7	5.3		1.6		6.8	933
	15-17		1.0	.8	13.0		14.3	5.6		1.1	.1	6.8	933
	18-20		1.2	.1	10.8		11.8	4.8	.2	1.3	.3	6.4	933
	21-23		.7	.2	12.4		13.2	4.1	.3	1.4	.1	5.7	933
TOTALS			.9	.5	14.6		15.6	5.2	.1	1.2	.1	6.5	7203

WEATHER CONDITIONS

DEC
MONTH

MONTH	HOURS 11-17	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		.3	1.1	25.9		27.1	7.0		5.5		12.5	930
	03-05		.5	1.2	28.9		30.2	7.5		6.1		13.5	930
	06-08		.5	1.5	30.9		32.2	8.2		6.0		14.1	930
	09-11		.3	1.8	23.8		25.5	9.7		6.9		15.6	930
	12-14		.6	1.7	23.8		25.4	8.0		8.0		15.6	930
	15-17		1.1	.8	21.0		22.2	7.2		8.9		16.1	930
	18-20		.4	.9	20.8		21.8	5.7		5.2		10.7	927
	21-23		.3	.9	23.0		24.2	7.2		4.7		11.7	927
TOTALS			.5	1.2	24.8		26.1	7.4		6.4		13.7	7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	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	ALL		.2	.5	27.3		27.8	2.8	.3	10.6	.4	13.2	7447
FEB			.3	.9	26.2		27.2	7.0	.3	8.3	.0	15.0	6768
MAR			1.8	.7	15.6		17.0	5.6	.1	4.3	.1	10.1	7364
APR		.3	7.1	.6	6.4	.0	13.2	5.7	.1	1.4	.7	7.8	7198
MAY		.9	9.3		1.1		10.1	3.8	.2	.0	.7	4.7	7440
JUN		2.4	8.4				8.4	1.9	.0		.0	2.0	7200
JUL		2.0	3.7				3.7	1.3	.2			1.4	7438
AUG		1.7	5.5			.0	5.5	2.6	.5		.1	3.3	7439
SEP		.5	7.6		.0		7.6	4.1	.3		.1	4.4	7200
OCT		.0	5.5		2.8	.0	7.9	4.2	.1	.3	.2	4.8	7447
NOV			.9	.5	14.6		15.6	5.2	.1	1.2	.1	6.5	7200
DEC			.5	1.2	24.8		26.1	7.4		6.4		13.7	7434
TOTALS		.7	4.2	.4	9.9	.0	14.2	4.3	.1	2.7	.2	7.2	87561

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 $\frac{5}{8}$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXX WEATHER CONDITIONS XXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

727675
STATION

MINOT AFB ND
STATION NAME

59-82
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS LST	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		6.6	5.5	66.6		68.1	18.5	1.5	30.0	.7	42.8	713
FEB			9.1	6.3	63.8		66.5	25.4	2.3	24.6	.2	45.1	650
MAR			13.9	3.9	48.0	.1	53.9	23.8	4.6	15.1		36.5	713
APR		2.8	35.5	2.5	24.8	.4	43.1	23.0	1.0	4.1	1.0	26.2	690
MAY		11.1	46.6	.1	5.3	1.7	47.7	17.4	1.3	.3		18.1	713
JUN		26.4	54.1			1.3	54.1	14.3	.6		.1	14.8	690
JUL		26.8	44.6			1.1	44.6	10.2	1.1			10.8	713
AUG		19.8	41.9			1.8	41.9	12.8	2.4			14.3	713
SEP		8.1	39.3		2.5	.6	40.1	15.9	1.3	.1		16.7	690
OCT		.8	25.8	.5	12.5		32.9	15.3	1.1	1.5		16.0	744
NOV			14.9	5.4	40.0		47.8	20.7	2.2	7.1	.3	26.4	690
DEC			11.7	8.6	57.9		61.5	21.9	1.3	19.8		37.9	712
TOTALS		8.0	26.7	2.7	26.8	.6	50.6	18.3	1.7	8.5	.2	25.5	8431

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/HAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

727575 MINOT AFB ND

59-62

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	32.0	41.4	6.2	10.9	4.8	3.9	.8							26.6	713	.54	1.42	.06
FEB	32.9	41.2	6.2	11.8	3.4	3.6	.6							25.8	650	.43	1.07	.05
MAR	45.3	30.4	5.5	10.0	3.5	4.5	.8							24.3	713	.57	1.38	.05
APR	50.7	20.7	4.2	6.5	5.7	4.1	4.1	3.5	.6					28.6	690	1.68	8.47	.07
MAY	50.2	16.4	3.9	7.9	4.1	5.6	4.5	3.8	1.1					30.9	713	2.35	5.16	TRACE
JUN	44.9	18.7	3.2	6.0	4.9	8.4	6.7	3.0	1.6	.6				36.4	690	3.20	8.59	.43
JUL	55.0	17.5	3.5	6.5	4.1	5.5	4.3	2.5	1.1					27.5	713	1.99	4.05	.09
AUG	57.4	15.3	3.1	7.3	3.4	6.7	2.5	2.2	2.1					27.3	713	2.12	4.97	.16
SEP	59.3	15.8	2.5	6.4	3.6	5.1	3.5	2.6	1.2	.1				24.9	690	1.99	7.76	.06
OCT	55.6	17.6	2.2	5.0	2.6	2.7	2.7	1.3	.4					16.8	744	1.01	4.10	TRACE
NOV	51.4	28.8	4.5	6.7	3.6	3.0	1.7	.1						19.7	690	.52	1.52	.01
DEC	37.5	38.6	5.6	9.7	4.2	3.5	.4	.4						23.9	712	.53	1.31	.20
ANNUAL	48.6	25.4	4.2	8.1	4.0	4.7	2.7	1.6	.7	.1				26.1	8431	17.06		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

FROM DAILY OBSERVATIONS

727675 MINOT AFB ND
STATION STATION NAME

59-82

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										.68	.66	.12	
60	.43	.32	.22	.31	.81	.53	.31	1.15	.03	TRACE	.17	.25	1.19
61	.16	.39	.03	.76	.48	.43	.33	.13	.71	.05	.04	.13	.76
62	.30	.14	.17	.14	1.76	.81	1.04	1.03	.24	.76	.13	.07	1.78
63	.05	.09	.06	.76	1.28	1.57	.97	.20	.18	.23	.24	.24	1.57
64	.10	.30	.37	.64	1.41	1.87	.93	1.51	.96	.02	.49	.36	1.87
65	.11	.04	.13	.44	.91	1.38	1.85	.32	1.07	TRACE	.11	.46	1.85
66	.20	.14	.02	.42	1.23	.63	1.63	1.23	.15	.47	.18	.21	1.63
67	.40	.15	.10	1.65	.64	.75	.04	.36	.33	.49	.15	.73	1.65
68	.25	.05	.12	.58	.86	.77	.53	1.60	.67	.45	.30	.21	1.60
69	.22	.24	.11	.35	.44	1.92	.93	.50	.54	.48	.12	.51	1.92
70	.42	.29	.23	2.11	.79	1.37	2.37	.19	.41	.26	.47	.20	2.37
71	.31	.10	.45	.70	.40	.60	1.24	.18	4.46	1.44	.08	.78	4.46
72	.12	.24	.25	.10	.60	.92	1.05	1.11	.39	.27	.18	.12	1.11
73	.07	.09	.19	.40	.36	3.28	1.01	1.47	.79	.74	.21*	.12	3.28
74	.14	.37	.16	.80	1.47	.39	.63	1.24	.26	.34	.01	.21	1.47
75	.06	.06	.32	1.70	.83	2.57	.61	.93	1.91	.98	.19	.22	2.57
76	.06	.13	.15	.97	.22	.63	.23	1.16	.07	.22	.01	.76	1.16
77	.14	.07	.02	.04	.89	1.15	.35	.84	1.06	.31	.29	.55	1.15
78	.04	.02	.09	.11	1.71	1.45	1.27	.78	1.06	.37	.20	.19	1.71
79	.05	.19	.15	.64	.38	.31	.42	1.31	.64	.20	.03	.21	1.31
80	.18	.37	.20	.46	TRACE	.65	.47	1.58	1.78	.65	.30	.11	1.78
81	.35	.36	.17	.41	.26	2.65	.55	.45	.27	.35	.39	.39	2.65
82	.19	.23	.22	.04	1.03	1.77	.72	1.06	1.75	1.05			
MEAN	.187	.151	.171	.632	.818	1.233	.847	.883	.857	.453	.215	.241	1.786
S D	.128	.110	.107	.541	.484	.806	.559	.496	.957	.357	.164	.176	.776
TOTAL OBS	713	650	713	690	713	690	713	713	690	744	690	712	8431

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

727575 MINOT AFB ND STATION NAME

59-82 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										2.19	1.92	.31	
60	.63	.05	.49	.93	2.46	1.59	.61	3.20	.06	TRACE	.43	.54	15.79
61	.23	.84	.13	1.86	1.36	.43	.84	.16	3.47	.05	.04	.36	9.76
62	.73	.40	.65	.31	5.16	3.24	3.03	3.13	.24	1.21	.43	.36	18.80
63	.09	.44	.17	2.43	3.21	6.06	3.16	1.23	.71	.25	.25	.35	18.32
64	.23	.87	.92	1.81	2.86	6.21	1.95	2.44	1.53	.03	1.58	.85	21.25
65	.53	.08	.47	1.01	3.79	2.89	4.05	.96	4.51	TRACE	.37	.98	19.44
66	.39	.16	.06	1.44	2.18	1.63	2.94	2.73	.45	.62	.57	.36	13.53
67	1.19	.55	.26	3.74	.73	.95	.09	.58	.77	1.58	.37	1.24	12.04
68	1.18	.23	.33	1.43	2.52	2.25	2.25	4.97	1.88	.93	1.04	.53	19.34
69	1.13	1.07	.36	.99	1.48	4.64	2.62	.59	.69	1.02	.19	1.31	16.09
70	1.42	.73	.86	8.47	2.89	2.82	3.83	.26	1.81	.61	.61	.38	24.65
71	.80	.14	1.38	1.90	.91	3.93	2.72	.34	7.06	3.42	.22	.20	23.02
72	.43	1.07	.96	.36	2.68	2.64	2.23	3.95	2.01	.47	.36	.34	17.47
73	.13	.17	.28	1.32	1.01	8.59	2.16	2.70	2.33	1.26	.54*	.49	20.96
74	.41	.45	.44	2.62	4.37	.53	1.97	3.47	.40	.44	.01	.45	14.65
75	.30	.23	1.04	5.14	2.65	4.50	2.08	1.50	2.87	1.96	.61	.69	23.57
76	.23	.31	.62	3.48	.29	3.39	.55	4.22	.14	.25	.02	.26	13.56
77	.35	.18	.05	.07	2.95	3.33	1.23	1.66	4.03	.59	.57	1.10	16.11
78	.29	.06	.27	.59	4.21	2.54	2.70	1.39	2.76	.46	.53	.34	15.94
79	.06	.55	.62	2.01	1.70	.61	1.05	2.12	.88	.43	.10	.26	10.36
80	.61	.63	.28	.60	TRACE	1.87	1.54	4.93	3.85	1.53	.69	.28	16.73
81	.55	.11	.18	.63	.73	5.23	1.53	1.51	.69	.84	.56	.25	12.77
82	.68	.48	.63	.15	3.89	3.74	1.78	1.37	2.71	4.10			
MEAN	.536	.426	.498	1.882	2.399	3.199	1.991	2.120	1.992	1.009	.522	.531	16.585
S D	.389	.318	.347	1.907	1.396	2.025	1.047	1.453	1.745	1.047	.461	.333	4.352
TOTAL OBS	713	650	713	690	713	693	713	713	693	744	693	712	8433

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

727575 HINGT AFB ND

59-82

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-03	04-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	33.5	39.7	12.1	9.8	2.2	1.4	.6	.4						26.6	713	7.7 18.2 1.0		
FEB	35.7	37.8	12.8	8.5	4.0	.9		.3						26.5	650	6.2 15.7 .7		
MAR	51.9	26.9	11.4	6.0	2.1	1.0	.4	.1	.1					21.2	713	5.7 19.4 TRACE		
APR	74.8	14.8	3.5	2.6	2.0	.7	.6	.6	.4					10.4	690	5.4 43.8 .0		
MAY	94.9	3.2	1.0	.6	.3	.1								2.0	713	.5 4.3 .0		
JUN	100.0														690	.0 .0 .0		
JUL	100.0														713	.0 .0 .0		
AUG	100.0														713	.0 .0 .0		
SEP	97.8	1.7		.1	.1	.1								.4	690	.2 3.2 .0		
OCT	87.2	8.5	1.6	1.6	.3	.4	.1	.1	.1					4.3	744	1.8 16.0 .0		
NOV	59.6	23.7	8.4	4.5	2.0	.6	.3	.9						16.7	688	5.0 12.6 TRACE		
DEC	41.7	33.8	12.6	6.2	2.7	1.5	.7	.4	.3					24.4	712	7.4 17.3 2.0		
ANNUAL	73.1	15.8	5.3	3.3	1.3	.6	.2	.2	.1					11.1	8429	39.9		

USAFETAC FORM 0-15.5 (OLA)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

727575
STATION

MINOT AFB ND
STATION NAME

59-82

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										7.0	4.7	1.0	
60	6.1	.3	2.0	.5	TRACE	.0	.0	.0	.0	TRACE	1.7	2.6	6.1
61	1.6	3.2	.4	3.2	TRACE	.0	.0	.0	TRACE	TRACE	TRACE	1.7	3.2
62	3.5	1.6	1.1	.2	TRACE	.0	.0	.0	.0	.1	1.1	2.5	3.5
63	.7	1.6	.6	2.8	1.4	.0	.0	.0	.0	.0	1.8	2.0	2.8
64	2.0	3.2	3.7	1.7	.0	.0	.0	.0	TRACE	.2*	4.2	4.0	* 4.9
65	1.1	.4	1.3	.8	.1	.0	.0	.0	1.6	.0	1.2	3.5	3.5
66	2.7	1.7	.4	4.0	.9	.0	.0	.0	.0	1.4	2.3	2.7	4.0
67	5.2	2.3	1.6	3.0	.3	.0	.0	.0	.0	.5	1.6	9.6	9.6
68	3.2	.8	1.4	6.4	1.9	.0	.0	.0	.0	TRACE	3.2	2.1	6.4
69	1.7	2.4	1.1	TRACE	TRACE	.0	.0	.0	.0	.6	1.3	5.1	5.1
70	4.2	2.9	3.0	8.0	TRACE	.0	.0	.0	.0	TRACE	4.7	2.0	8.0
71	3.6	1.5	4.7	1.9	TRACE	.0	.0	.0	.0	3.3	.8	.8	4.7
72	1.2	2.4	2.5	.9	.0	.0	.0	.0	3.2	2.2	3.2	2.0	3.9
73	1.0	1.8	1.9	2.0	.0	.0	.0	.0	.0	1.3	4.0*	2.6	4.0
74	2.7	2.1	2.4	1.4	3.3	.0	.0	.0	.0	.1	.2	7.4	7.4
75	1.5	1.8	7.7	5.1	.0	.0	.0	.0	.0	5.1	5.7	5.2	7.7
76	1.8	2.0	4.1	TRACE	TRACE	.0	.0	.0	.0	.3	.4	1.2	4.1
77	4.0	.8	.2	.3	.0	.0	.0	.0	.0	TRACE	3.2	3.0	4.0
78	1.1	.4	1.1	2.1	.0	.0	.0	.0	.0	.0	6.4	4.8	6.4
79	1.3	5.4	2.7	3.7	2.1	.0	.0	.0	.0	TRACE	.7	3.2	5.4
80	3.0	5.6	2.4	6.0	.0	.0	.0	.0	.0	1.5	2.2	2.2	6.0
81	3.7	.9	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	4.6	1.7	4.6
82	5.7	2.5	2.2	TRACE	.2	.0	.0	.0	.0	1.0			
MEAN	2.73	2.31	2.13	2.34	.81	.30	.30	.30	.21	1.31	2.53	3.23	5.32
S D	1.598	1.374	1.746	2.292	.881	.300	.300	.300	.732	1.782	1.877	2.141	1.840
TOTAL OBS	713	650	713	690	713	693	713	713	693	744	688	712	6929

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

727675 MINOT AFB ND
STATION STATION NAME

59-92

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										16.0	9.2	2.5	
60	8.3	.7	5.3	.9	TRACE	.0	.0	.0	.0	TRACE	4.8	6.4	26.0
61	1.7	8.2	.8	3.6	TRACE	.0	.0	.0	TRACE	TRACE	TRACE	4.8	19.0
62	7.2	4.9	2.6	.2	TRACE	.0	.0	.0	.0	.1	2.2	5.3	22.5
63	1.1	5.2	1.3	3.7	1.4	.0	.0	.0	.0	.0	1.9	3.9	18.5
64	4.3	10.2	9.1	2.7	.0	.0	.0	.0	TRACE	.2*	7.0	11.6	* 45.1
65	5.1	.8	4.6	1.1	.1	.0	.0	.0	2.3	.0	3.6	5.4	23.0
66	5.3	1.9	.6	10.8	.5	.0	.0	.0	.0	1.4	7.0	5.9	33.4
67	14.6	8.7	5.3	9.3	.3	.0	.0	.0	.0	.5	3.8	17.3	59.8
68	15.0	3.3	2.7	7.5	2.5	.0	.0	.0	.0	TRACE	6.9	7.0	40.9
69	12.3	11.6	3.4	TRACE	TRACE	.0	.0	.0	.0	1.0	1.8	13.8	43.9
70	14.5	7.5	11.7	43.8	TRACE	.0	.0	.0	.0	TRACE	6.1	4.3	87.9
71	8.5	1.9	7.1	1.9	TRACE	.0	.0	.0	.0	3.8	1.9	2.0	27.1
72	4.2	11.3	7.9	1.7	.0	.0	.0	.0	3.2	3.5	6.8	4.3	42.9
73	1.1	3.5	2.1	3.5	.0	.0	.0	.0	.0	1.3	7.9*	13.7	* 33.0
74	10.4	13.6	6.5	2.0	4.3	.0	.0	.0	.0	.4	.3	13.8	51.3
75	7.4	7.3	19.4	10.5	.0	.0	.0	.0	.0	8.7	12.4	12.8	78.5
76	5.5	6.8	13.8	TRACE	TRACE	.0	.0	.0	.0	.4	1.3	5.7	33.5
77	8.2	2.6	.4	.3	.0	.0	.0	.0	.0	TRACE	7.2	13.0	31.7
78	1.9	1.4	2.7	2.6	.0	.0	.0	.0	.0	.0	12.8	8.1	29.3
79	1.6	15.7	10.4	9.7	3.3	.0	.0	.0	.0	TRACE	2.5	4.6	47.8
80	12.0	9.0	4.2	8.3	.0	.0	.0	.0	.0	4.2	3.2	5.8	46.7
81	7.9	1.3	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	6.3	4.3	19.8
82	18.2	6.0	6.4	TRACE	.2	.0	.0	.0	.0	1.3			
MEAN	7.67	6.23	5.67	5.41	.55	.00	.00	.00	.24	1.78	4.95	7.39	39.37
S D	4.978	4.328	4.849	9.163	1.189	.000	.000	.000	.804	3.651	3.583	4.280	19.150
TOTAL OBS	713	650	713	690	713	693	713	713	693	744	688	712	8429

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

727675 MINOT AFB ND

59-82

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.7	9.0	11.2	8.6	10.5	24.8	26.1	8.1						89.3	713			
FEB	4.9	10.3	15.2	9.4	8.9	20.3	23.1	7.8						84.8	650			
MAR	31.3	14.0	13.6	10.7	8.3	12.3	6.7	3.1						54.7	713			
APR	75.7	10.0	3.6	2.3	1.2	2.9	3.2	1.2						14.3	690			
MAY	98.7	.4	.4	.3		.1								.8	713			
JUN	100.0														690			
JUL	100.0														713			
AUG	100.0														713			
SEP	99.7		.3											.3	690			
OCT	93.0	4.0	.9	.7	.7	.3	.4							3.0	744			
NOV	60.9	10.1	8.8	7.8	3.0	6.8	2.3	.1						29.0	690			
DEC	18.3	10.4	23.0	10.7	10.1	15.2	8.7	3.7						71.3	712			
ANNUAL	65.3	5.7	6.4	4.2	3.6	6.9	5.9	2.0						29.0	8431			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

727575
STATION

MINOT AFB ND
STATION NAME

59-82

YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59											11	8	3	
60		11	3	4	2	0	0	0	0	0	0	3	4	12
61		5	4	2	3	0	0	0	0	0	0	TRACE	4	9
62		7	8	7	TRACE	0	0	0	0	0	0	1	4	8
63		4	3	2	4	0	0	0	0	0	0	2	3	4
64		2	4	7	3	0	0	0	0	0	0	10	15	19
65		15	14	3	2	0	0	0	0	0	0	1	4	19
66		7	6	1	8	4	0	0	0	0	0	3	4	8
67		13	12	7	5	2	0	0	0	0	0	2	14	14
68		21	6	1	7	0	0	0	0	0	0	4	6	24
69		13	21	21	1	0	0	0	0	0	TRACE	1	11	21
70		13	9	6	20	0	0	0	0	0	TRACE	4	4	21
71		8	8	5	1	TRACE	0	0	0	0	0	2	2	8
72		2	7	9	1	0	0	0	0	0	0	3	5	4
73		3	3	2	1	0	0	0	0	0	0	1	6	8
74		8	10	4	3	0	0	0	0	0	0	TRACE	TRACE	12
75		7	9	16	16	0	0	0	0	0	0	3	13	16
76		10	5	10	0	0	0	0	0	0	0	TRACE	TRACE	10
77		7	3	2	TRACE	0	0	0	0	0	0	7	14	14
78		10	7	4	2	0	0	0	0	0	0	8	11	12
79		12	17	13	7	2	0	0	0	0	0	2	2	17
80		8	6	4	5	0	0	0	0	0	0	3	4	8
81		4	4	1	0	0	0	0	0	0	0	TRACE	4	4
82		18	18	9	TRACE	0	0	0	0	0	0	TRACE		

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

727575
STATION

MINOT AFB ND
STATION NAME

59-82

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59													
60	W *24WNW	52NNW	31NNW	45NNW	36SSW	36NNE	38NW	39NNW	37NNW	32W	51NW	37	WNW 52
61	NW 38NW	38NW	39NW	40W	39NW	42WSW	46SSW	40NNW	52W	46WNW	45NW	40	WNW 52
62	NNW 50NNE	37NW	33WNW	40NW	40NNW	36WNW	36N	*50NNW	38NNW	45NW	48NW	43	NNW 50
63	NNW 43WNW	45NW	46WSW	37W	49W	52NNW	43WNW	39NNE	42WSW	*35W	41WNW	41	W 52
64	W 53WSW	37NW	43NW	42S	43NNE	44WNW	45W	52W	45W	48WNW	40WNW	43	W 53
65	NW 33WNW	70NW	36NNE	40W	55ESE	46NNE	48W	33NW	40WNW	43WNW	40WNW	36	WNW 70
66	W 41WNW	41N	*53W	*36WNW	*46E	47NNE	40NNW	51WNW	35NW	49NW	40WNW	44	N *53
67	N 50NW	59WNW	44S	44WNW	57WNW	40W	58WSW	41NW	42	WNW	*49WNW	38	
68	WNW*35NW	*41NNW	48NW	39N	48NW	4934*	4836/	4429/	4530/	4929/	3630/	57	37/ 57
69	32/ 3829/	5128/	35 5/	4332/	46 3/	3827/	3922*	4229/	4230/	4632/	5024/	38	29/ 51
70	30/ 3430/	4928/	3729/	62 2*	43 7/	6226/	5230/	3931/	4332/	4721/	5131/	52	29/ 62
71	29/ 4228/	3132/	35 8/	5431/	32 5/	3931*	4820/	3729/	3621/	4929/	5330/	32	8/ 54
72	29/ 4331/	5830/	5130/	4031/	4027/	3614/	4425/	5230/	4431/	3530/	3221/	34	25/ 62
73	31/ 3328/	3514/	35 6/	3913/	4112/	4627/	4114/	4031/	3429/	3328/	4330/	58	30/ 58
74	32/ 4035/	4228/	45 2/	31 4/	3231*	4830/	49 4/	4030/	4332/	3930/	4230/	39	37/ 49
75	31/ 6433/	4634/	4115/	42 9/	4231/	3731/	6732/	7426/	5428/	3829/	3031/	39	32/ 74
76	29/ 4529/	4132/	43 2/	38 2/	5419/	4030/	45 5/	4832/	3229/	5931/	4630/	41	29/ 59
77	31/ 43 1/	44 3/	4933/	4021/	4733/	6331/	4432/	4325/	4131/	4127/	4032/	39	33/ 67
78	32/ 3831/	4130/	4429/	4517/	3934/	5425/	4733/	49 7/	4129/	4027/	5529/	48	27/ 59
79	31/ 3712/	2830/	3935/	3829/	4619/	4030/	3921/	3232/	3531/	4631/	3930/	52	30/ 52
80	30/ 5032/	4531/	4436/	4613/	4227/	5325/	5829/	4428/	4730/	5131/	3830/	44	25/ 58
81	30/ 3231/	4434/	36 1/	47 7/	3529/	4232/	40 8/	3230/	4135/	3734/	3630/	34	1/ 47
82	32/ 4530/	3728/	53 2/	3927/	4120/	3728/	4033/	3232/	3231/	34			
MEAN	42.5	44.1	41.2	42.3	43.5	44.2	45.7	43.4	45.3	43.3	42.7	42.2	54.7
S D	7.801	9.662	6.086	6.290	6.968	7.647	7.716	10.259	5.688	6.496	6.952	7.171	7.722
TOTAL OBS	663	642	703	684	703	681	701	690	681	669	643	675	8135

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB MO 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-0200
HOURS (L & 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	.3	.2	1.4	2.3	.5	.2						2.6	11.1
NNE	.2	.2	.2	.6	.3							1.6	11.7
NE	.5	.3	.2	.1								1.2	4.3
ENE		.1	.9									1.0	7.9
E	.5	.3	1.0	.5								2.4	7.7
ESE	.5	1.2	.9	1.7								4.3	8.8
SE	1.0	2.3	1.3	.2								4.7	5.9
SSE	1.2	2.0	.4	.2	.1							4.0	5.3
S	1.0	1.6	1.3	.3	.1							4.3	6.6
SSW	.6	.2	.1	.4								1.4	6.8
SW	1.0	1.5	.3	.4								3.2	5.5
WSW	1.0	1.5	1.6	.9	.1	.2						5.3	7.8
W	1.2	3.7	4.8	2.5	.8	.5						13.4	9.0
WNW	.6	3.2	4.9	5.4	1.8	.5	.1					15.7	11.1
NW	.9	1.2	4.2	5.8	2.4	1.1	.5	.5				16.7	14.0
NNW	.3	1.6	1.0	1.4	1.1	.4	.1					5.9	12.3
VARBL													
CALM												2.4	
	10.9	21.8	24.5	22.8	7.2	3.0	.9	.5				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JAN
MONTH
0700-2500
HOURS (LST)

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	1.5	1.8	2.0	.8	.4						7.1	12.5
NNE		1.0	.3	.1								1.4	6.9
NE	.3	.3										.3	3.2
ENE	.2	.2	.1									.5	4.2
E	.8	.9	.5	.8								2.9	7.3
ESE	.6	.6	1.5	1.5	.4							4.7	9.6
SE	.9	2.7	1.1	.6	.1							4.7	9.3
SSE	.6	.8	.9	.1								2.4	5.7
S	.8	1.4	1.7	.3								3.4	6.3
SSW	.8	.6	.8	.3	.2							2.7	7.1
SW	.5	.9	.8	.3	.1							2.4	7.1
WSW	1.0	2.4	1.8	.6	.2							6.3	6.7
W	2.7	3.8	4.5	3.3	1.5	.2	.1	.1				15.6	9.4
WNW	1.4	1.7	4.2	5.9	1.4	.1	.4	.1				15.3	11.2
NW	.8	1.7	3.8	6.7	1.7	.9	.8	.4	.1			16.8	13.8
NNW	.4	.9	2.6	.8	.6	.4						5.7	10.3
VARBL													
CALM												7.5	
	11.6	23.6	25.6	23.4	7.1	2.2	1.3	.5	.1			100.1	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-1800
HOURS (LST)

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	2.4	1.5	.2	.2						5.7	9.8
NNE	.1	.3	.2	.1								.8	6.6
NE	.1	.3										.4	4.3
ENE		.2		.1								.5	7.3
E	.3	.8	.6	1.1	.2							3.3	8.8
ESE	.1	.9	1.2	1.0	.3							3.4	9.5
SE	1.1	2.0	1.5	1.3	.2							6.1	7.7
SSE	.9	1.2	.5	.2								2.3	5.3
S	.9	1.1	1.1	.1								3.1	5.7
SSW	.5	.5	.2	.2								1.5	5.7
SW	.6	1.3	.2	1.0		.1						3.2	7.7
WSW	1.1	2.9	1.5	.8	.1	.1						6.3	6.8
W	1.8	3.4	4.3	3.4	1.2	.1	.2					14.5	9.3
WNW	1.4	1.4	4.2	7.1	2.8	.9	.2	.3				18.3	12.7
NW	.4	1.6	3.8	4.9	2.9	1.1	.4	.1	.2			15.5	14.0
NNW	.8	.9	2.9	1.3	.8	.4						7.1	10.4
VARBL													
CALM												6.2	
	10.3	19.9	24.6	24.1	8.7	2.9	.9	.4	.2			100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINCT AFS NC 75-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	1.3	1.0	1.4	.1	.2	.1					2.3
NNE	.3	.6	.5	.4	.1							2.1
NE	.1	.1		.2								.4
ENE	.2	.1		.5								.3
E	.1	.3	.4	.6								1.5
ESE	.2	1.3	1.0	1.5	.4	.1						4.5
SE	.4	1.6	1.8	1.4		.1						5.4
SSE	.2	.9	1.2	1.0								3.2
S	1.7	1.3	.3	.8	.1							3.4
SSW	.2	.8	.2	.4								1.5
SW	.8	.3	.3	.5								2.3
WSW	.8	2.1	1.7	1.2	.1							5.4
W	2.0	3.0	3.2	2.9	1.1	.1						12.4
WNW	.6	1.5	3.7	5.1	3.9	1.4	.5	.2	.1			17.1
NW	.3	1.9	4.4	5.4	2.5	1.7	.5	.3	.1			17.2
NNW	.5	1.2	2.2	2.3	1.7	.9	.1					8.3
VARBL												
CALM												3.0
	8.6	18.5	22.9	25.6	9.2	4.5	1.3	.5	.2			170.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 JAN
STATION MONTH
STATION NAME YEARS
ALL WEATHER
CLASS
1200-1400
HOURS (LST)

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	1.9	1.7	.4	.2	.2					2.2	12.5
NNE	.1	.5	.1	.1	.1	.1						1.5	6.9
NE	.1	.3	.2	.2	.1							1.5	6.9
ENE	.2	.2	.1	.1								.5	5.8
E		.6	.6	.5								1.5	6.3
ESE		.6	1.6	1.2	.5	.1						4.1	10.8
SE	.3	1.5	1.6	.5	.5							4.5	8.6
SSE	.4	1.2	.9	.8	.1							3.3	8.2
S	.4	1.3	.9	1.4	.1							4.1	5.4
SSW	.4	.8	.5	.4	.1							2.3	7.5
SW	.3	1.0	.9	1.0	.1							3.2	6.7
WSW	.5	.9	1.6	1.6	.1							4.7	9.3
W	.5	1.5	3.4	3.2	1.5	.5						10.9	11.2
WNW	.2	1.4	3.0	4.6	2.2	1.8	.6	.2				14.1	14.7
NW	.3	1.6	3.8	5.7	3.5	3.1	.6		.1			18.8	15.3
NNW	.5	2.3	3.2	3.5	1.6	1.2	.2					12.6	12.1
VARBL													
CALM												6.9	
	5.3	16.9	24.3	26.6	11.1	7.1	1.7	.2	.1			100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINCT AFB ND 73-92 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	1.4	1.6	1.9	.5	.1	.1					0.8	1.4
NNE	.5	1.1	.3	.4	.2	.1						2.7	6.2
NE	.2	.3	.1		.1							.8	7.2
ENE	.1	.5	.6	.1								1.5	6.2
E	.5	.5	1.3	.5	.2	.1						3.2	6.7
ESE		2.2	1.9	.9								4.9	6.3
SE	.5	.8	1.3	.3								2.4	7.1
SSE	.8	1.1	1.8	.9	.1							4.5	7.9
S	.8	1.2	1.1	1.0		.1						4.1	7.7
SSW	.4	1.1	.2	.3								2.1	6.3
SW	.5	1.1	.3	.3		.2						2.3	7.7
WSW	.4	1.2	1.2	.3	.2							3.3	7.7
W	1.2	3.0	3.3	3.5	1.7	.3						12.4	9.6
WNW	.5	1.4	2.2	4.4	2.6	1.5	.3					13.1	14.9
NW	1.0	2.7	4.1	6.0	3.0	3.7	.6	.2	.1			20.3	14.9
NNW	.2	1.2	3.9	2.3	1.2	.4	.3					9.3	11.7
VARBL													
CALM												5.3	
	8.6	20.1	25.3	23.2	9.1	5.7	1.4	.2	.1			100.7	10.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1900-2000
HOURS (LST)

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	1.4	1.8	1.5	.3							0.3	0.3
NNE		.1	.8	.8	.1	.1						1.3	11.6
NE	.6	.5	.3									1.5	4.1
ENE	.2	.9	.3	.3								1.7	6.7
E	.5	1.1	.3	.3								2.3	6.1
ESE	.5	1.4	1.6	1.4	.3							5.3	8.6
SE	.4	1.6	2.3	.5	.1							4.9	7.4
SSE	1.2	1.1	1.5	.3								4.1	6.2
S	1.5	1.4	.5	.4								3.9	5.3
SSW	1.3	1.3	.4	.8	.1							3.9	6.3
SW	.3	1.4	.5	.1								2.4	5.4
WSW	.6	1.5	1.0	.4	.1							3.7	6.7
W	1.4	3.2	4.0	1.4	.5	.3						10.9	8.4
WNW	.9	2.3	4.2	4.0	3.2	1.4	.4	.3				16.7	13.3
NW	.8	2.2	3.1	4.8	3.8	2.2	.5	.1	.1	.1		17.6	14.7
NNW	.2	.5	1.7	1.5	.9	.6						5.5	12.7
VARBL													
CALM												7.6	
	11.8	21.8	24.4	18.6	9.5	4.6	1.0	.4	.1	.1		110.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB MO 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

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	1.7	1.4	1.8	.6	.4						6.1	10.6
NNE	.1	.4	.6	.1	.2							1.5	8.9
NE	.1	.6	.3	.1	.1							1.3	7.5
ENE	.1	.2	.2	.5								1.1	9.8
E	.5	1.1	.3	.3								2.3	6.2
ESE	.8	1.3	1.5	1.2	.1							4.8	6.1
SE	.8	1.9	1.2	.4	.1							4.4	6.5
SSE	.8	1.7	1.2	.6								4.3	6.9
S	2.0	2.3	.2	.2								4.7	4.2
SSW	.9	1.1	.6	.3								2.9	5.7
SW	.6	.6	.8	.4	.2							2.7	7.7
WSW	1.2	1.7	1.3	1.1								2.3	6.9
W	1.8	2.6	4.6	1.8	.8	.2						11.8	8.4
WNW	.8	2.5	4.2	4.3	2.8	.5	.5	.2				15.8	12.6
NW	.5	1.5	3.7	5.4	3.1	1.8	.6	.4				17.1	14.8
NNW	.4	.6	2.0	1.9	.9		.1					6.0	11.3
VARBL													
CALM												7.8	
	11.5	21.9	24.2	20.6	8.9	3.0	1.3	.6				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
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	1.3	1.8	1.8	.4	.2	.1					5.2	15.2
NNE	.2	.5	.4	.3	.1	.7						1.6	8.9
NE	.3	.4	.1	.1	.7							.9	5.9
ENE	.1	.3	.3	.2								.9	7.5
E	.4	.7	.6	.6	.1	.7						2.4	7.8
ESE	.3	1.2	1.4	1.3	.3	.7						4.5	9.2
SE	.7	1.7	1.5	.7	.1	.7						4.7	7.3
SSE	.8	1.2	1.5	.5	.7							3.6	6.8
S	1.1	1.4	.8	.6	.7	.7						3.9	6.3
SSW	.6	.8	.4	.4	.1							2.3	6.5
SW	.6	1.7	.5	.5	.1	.7						2.7	7.1
WSW	.8	1.7	1.5	.9	.1	.7						5.1	7.4
W	1.5	3.0	4.0	2.8	1.7	.3	.7	.7				12.7	9.2
WNW	.8	1.9	3.8	5.1	2.6	1.7	.4	.2	.7			15.8	13.7
NW	.6	1.7	3.8	5.6	2.9	1.9	.6	.3	.1	.7		17.6	14.5
NNW	.4	1.1	2.4	1.9	1.7	.6	.1					7.5	11.6
VARBL													
CALM												7.5	
	9.8	20.2	24.5	23.1	8.9	4.2	1.2	.5	.1	.7		100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINGT AFB ND 73-82 FEB

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

0000-2400

HOURS (L & 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	.7	1.9	1.4	2.7	.1	.4	.1					7.3	10.2
NNE	.6	.6	.6	.4								2.1	6.3
NE	.2	.7	.2									1.2	5.1
ENE	.1	.8	.8	.1								1.9	6.6
E	.1	1.2	3.0	1.7	.1							6.2	9.3
ESE	.9	1.9	1.7	1.8	.8	.1						7.2	9.4
SE	.5	1.2	2.0	1.4	.7	.4						6.3	10.3
SSE	.5	1.5	.7	.8								3.5	7.1
S	.6	2.1	.9	.1	.1							3.3	6.2
SSW	.5	.9	.8	.2								2.5	6.6
SW	.6	1.2	.8	.7								3.3	7.1
WSW	1.1	1.5	2.7	1.4		.1	.2					7.1	8.8
W	1.4	2.7	3.8	2.4	.4	.1						10.8	8.4
WNW	.4	2.4	4.1	3.9	1.1	.5	.2	.1				12.6	11.3
NW	.5	1.4	4.0	3.5	1.8	.9	.4					12.5	12.5
NNW	.2	.6	2.1	1.7	.8	.2						5.7	11.2
VARBL													
CALM												6.1	
	9.0	22.6	29.8	22.8	5.9	2.7	.9	.1				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 FEB
STATION NAME CLASS MONTH
ALL WEATHER 1330-0500
CONDITION HOUR (LST)

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	2.4	1.8	1.9	.2	.1						7.3	6.3
NNE	.1	.9	.8	.5								2.4	7.7
NE	.2	.5	.1									.8	4.4
ENE	.1	.7	.9			.1						1.9	7.9
E	.4	1.7	2.5	1.9		.1						6.5	8.7
ESE	.4	.5	2.1	2.2	.2	.1						5.6	10.6
SE	.5	1.2	2.4	1.1	.8	.6						6.5	10.6
SSE	1.1	.9	1.5	1.1								4.5	7.3
S	.5	1.9	.7	.2								3.3	5.9
SSW	.6	.6	.5	.1								1.8	5.6
SW	.4	.9	1.8	.6								3.7	7.5
WSW	.6	2.0	2.1	1.3	.1							5.1	7.9
W	1.4	3.9	3.3	3.0	.8	.2						12.6	8.6
WNW	.6	3.0	4.4	3.4	1.3	.5						13.1	10.6
NW	.5	1.4	3.3	3.0	1.9	1.1	.4					11.5	13.0
NNW	.1	.9	1.3	2.2	.7	.1						5.4	11.5
VARBL													
CALM												6.9	
	8.3	23.4	29.6	22.5	6.1	3.7	.4					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF- WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 727575 MINOT AFB ND STATION NAME 73-82 YEARS FEB
CLASS ALL WEATHER MONTH 2600-2800
CONDITION HOURLY (LST)

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	2.1	2.1	2.2	.4							7.8	5.7
NNE	.1	.8	.7	.2		.1						2.3	0.2
NE	.4	1.2	.4	.1								2.3	5.6
ENE	.2	.1	.7	.1								1.2	7.5
E	.2	1.2	3.4	2.4	.1							7.3	9.3
ESE	.2	.9	1.8	2.4	.2	.2						5.8	11.2
SE	.5	.9	2.2	1.2	.5	.5						5.8	10.6
SSE	.7	1.4	.4	1.2	.1							3.3	7.6
S	.8	1.5	.9	.5								3.8	6.3
SSW	.2	.7	.8			.1						1.9	7.7
SW	.6	.8	.8	.5	.4							3.1	8.4
WSW	.8	1.7	1.9	1.2	.2							5.7	7.9
W	1.1	3.5	4.4	1.9	.7	.2						11.8	8.6
WNW	.5	3.2	4.3	4.3	1.4	.7	.1					14.4	10.9
NW	.6	2.7	2.5	2.2	2.0	.8	.6	.1				11.5	12.7
NNW	.6	1.2	1.7	1.7	.6	.1						5.8	9.9
VARBL													
CALM												0.3	
	8.5	24.1	28.8	22.0	6.6	2.8	.7	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINDOT AFB ND 73-82 FEB
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1900-1900
HOURS (LST)

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	2.2	3.1	1.5	.2	.1						7.4	8.8
NNE	.7	1.2	1.1	.1								3.1	5.9
NE	.5	.4	.5	.1								1.4	5.4
ENE	.2	.5	.7	.7								2.1	8.4
E	.2	.5	2.2	3.2	.5							6.6	11.0
ESE	.5	.7	2.2	1.8	.5	.2						8.0	10.2
SE	.2	1.7	1.4	1.5	.6	.4						5.8	10.7
SSE	.2	.7	1.1	1.1								3.1	7.1
S	.8	.7	1.1	.8	.4							3.8	6.5
SSW	.4	1.2	1.3	.2		.1						3.2	7.3
SW	.7	.8	.4	.8	.1							2.8	7.7
WSW	.6	1.8	1.9	1.2	.2							5.7	8.2
W	.8	1.8	4.4	5.0	.5	.2						12.6	10.3
WNW	.2	1.5	2.1	4.0	1.8	1.4	.2	.1				11.5	14.1
NW	.4	1.2	2.6	5.4	1.9	1.5	.7					13.7	14.1
NNW	.2	.9	1.9	2.6	.8							6.5	11.0
VARBL													
CALM												4.6	
	7.1	17.7	27.9	30.1	7.4	4.0	.9	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 727575 MINOT AFB ND STATION NAME YEARS 73-82 MONTH FEB
ALL WEATHER CLASS 1800-1400 HOURS (LST)
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	2.6	3.0	.2							7.8	9.4
NNE	.8	.8	.8									2.5	5.3
NE	.4	.7	.2	.2								1.3	5.6
ENE	.2	.2	.7	.9	.1							2.2	9.8
E	.4	.5	2.5	2.2	.5							6.1	10.3
ESE	.2	.7	1.8	3.0	.7	.4						6.7	12.1
SE	.4	.7	1.4	1.3	.6	.2	.2					4.8	10.1
SSE	.1	.1	.9	1.7	.7							3.3	12.3
S	.4	1.2	1.3	1.4	.4							4.6	9.4
SSW		.2	.9	.9	.4							2.3	11.7
SW		.5	1.2	.8	.1							2.6	10.2
WSW	.1	.6	2.3	1.2	.2							4.1	9.5
W	.7	1.1	4.3	4.3	1.1	.4						11.7	11.2
WNW	.5	.8	1.7	3.5	3.5	1.8	.1	.1				12.1	15.5
NW	.5	.6	1.2	5.8	3.5	1.5	.7					13.8	15.7
NNW		1.8	2.0	3.2	2.3	.5						9.5	12.4
VARBL													
CALM												3.9	
	5.2	11.9	25.5	33.5	14.1	4.7	1.1	.1				100.2	11.5

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)

STATION 727675 MINOT AFB ND STATION NAME 73-82 YEARS FEB NORTH
ALL WEATHER CLASS 1500-1700 HOURS (L & 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	3.5	2.7	.2	.2	.1					2.7	9.2
NNE	.1	1.4	.9	.5								3.1	7.2
NE	.5	.7	.1	.2								1.7	5.2
ENE		.6	.1	1.7								2.4	11.9
E	.5	.7	2.0	2.0	.6							5.9	10.4
ESE	.2	.9	3.7	2.8	.9	.4	.1					8.4	11.8
SE	.2	.5	1.2	1.8	.2		.2					4.1	11.6
SSE	.4	.9	.6	.5	.5							2.5	9.1
S	.1	.7	1.9	2.1								5.1	9.7
SSW	.1	.6	.5	.7								1.9	5.5
SW	.5	.6	1.1	.9								3.1	5.4
WSW	.5	.8	.9	.7								3.1	5.1
W	.3	1.2	2.8	5.0	.3	.5						11.1	11.3
WNW	.4	.7	1.9	4.5	2.6	1.4	.2					11.7	14.7
NW	.4	.4	3.1	5.7	2.6	2.7	1.1	.2				15.4	15.7
NNW	.4	1.2	2.4	2.8	1.5	.1						8.4	11.3
VARBL													
CALM												3.4	
	6.1	13.8	26.0	33.9	10.0	4.6	1.9	.2				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 STATION MINDT AFB ND 73-80 YEARS MONTH FEB
CLASS ALL WEATHER
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	3.3	3.5	1.3	.1	.1						2.2	7.5
NNE	.4	.8	1.4	.6								3.2	7.8
NE	.2	.2	.7									1.2	6.8
ENE	.2	.1	.1	.8								1.3	10.8
E	.2	.9	3.2	2.8	.1							7.3	13.2
ESE	.8	1.5	1.5	3.1	.8	.2	.2					5.3	11.4
SE	.2	1.7	1.5	.6	.4		.1					4.5	9.9
SSE	.4	1.8	1.3	.9	.2							4.5	8.2
S	.6	1.8	1.4	.6	.1							4.5	7.2
SSW	.2	.4	.7	.5								1.4	6.3
SW	.4	.4	.7	.5								1.4	7.4
WSW	.9	1.3	2.1	.8								5.2	7.1
W	.8	2.7	4.1	2.7	.2	.2						1.9	8.6
WNW	.1	2.1	4.3	3.8	1.1	.5	.2					11.8	11.5
NW	.2	1.4	3.2	4.3	3.2	.7	.6	.2				13.8	14.4
NNW	.5	1.1	2.0	.9	.6	.1	.2					5.4	1.4
VARBL													
CALM												4.7	
	7.6	21.4	31.7	24.2	6.9	1.9	1.4	.2				172.2	9.5

TOTAL NUMBER OF OBSERVATIONS 546

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB MO 73-82 822
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

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	2.6	2.0	1.9								7.5	7.8
NNE	.5	.9	1.5	.1								3.1	6.5
NE	.1	.5	.8									1.4	6.3
ENE	.1	.5	.5	.2								1.3	7.6
E	.4	.3	2.6	1.5								5.3	5.9
ESE	.1	1.1	1.4	2.1	1.1	.4						6.2	12.3
SE	.7	2.1	2.5	.9	.6	.4						7.2	9.1
SSE	.7	1.4	.9	1.2	.1							4.4	8.0
S	1.3	1.7	.7	.4								4.0	5.1
SSW	.5	.8	.5	.2	.2							2.2	7.6
SW	.7	.7	.6	1.3								3.3	7.9
WSW	.3	1.5	1.5	.9	.1							3.0	7.6
W	1.2	3.6	5.2	1.9	.4	.1						12.3	7.9
WNW	.8	2.7	5.1	3.8	1.1	.4		.1				13.3	10.6
NW	.1	1.4	2.2	3.6	2.1	1.5	.2	.5				11.7	14.8
NNW	.4	1.3	1.8	1.5	.4	.2						5.6	9.9
VARBL													
CALM												6.3	
	9.3	23.1	29.9	21.7	6.0	3.0	.2	.6				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

727573 MINCI AFB ND 13-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
FEB
MONTH
ALL
HOURS (LST)

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	2.7	2.5	2.1	.3	.1	.1					7.2
NNE	.4	.3	1.2	.3		.7						6.3
NE	.3	.6	.4	.1								6.6
ENE	.3	.4	.6	.6	.7	.7						6.9
E	.7	.9	2.7	2.2	.2	.2						9.4
ESE	.4	1.3	1.9	2.4	.7	.3	.3					11.1
SE	.4	1.2	1.8	1.2	.5	.3	.1					10.4
SSE	.6	1.1	.9	1.7	.7							7.9
S	.6	1.5	1.1	.8	.1							7.4
SSW	.3	.7	.8	.4	.1	.7						6.2
SW	.3	.7	.9	.8	.1							6.7
WSW	.7	1.4	1.9	1.1	.1	.7	.1					6.1
W	1.7	2.6	4.7	3.3	.6	.3						9.3
WNW	.4	2.3	3.4	3.9	1.7	.9	.1	.1				10.3
NW	.4	1.3	2.8	4.2	2.4	1.3	.6	.1				14.3
NNW	.7	1.1	1.9	2.1	.9	.2	.7					10.1
VARBL												
CALM												3.3
	7.6	12.7	28.7	26.3	7.9	3.3	.9	.2				22.7

TOTAL NUMBER OF OBSERVATIONS 6767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAR 1990-0200
STATION STATION NAME YEARS MONTHS (LST)

ALL WEATHER

CLASS

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	1.5	1.6	1.0	.9	.3						5.7	10.0
NNE	.2	1.1	.8	.5	.4	.2						3.3	10.4
NE	.1	.3	.4	.2		.1						1.2	9.2
ENE	.2	.3	.1	.5		.3						1.0	11.4
E	1.0	1.0	2.6	2.0								6.5	8.6
ESE	.8	1.8	1.6	1.2	.4							5.9	8.3
SE	1.2	2.2	2.1	2.2		.2						7.8	8.0
SSE	1.2	2.3	1.5	1.6	.2							7.4	7.3
S	1.4	2.1	1.3	1.2	.4							6.4	7.4
SSW	1.0	1.0	.8	.3	.1	.1						3.3	7.1
SW	1.3	1.4	.5	.4	.2							3.6	6.9
WSW	.2	1.3	1.2	.5	.2	.2						3.7	9.1
W	1.1	2.6	4.2	2.0	.9	.2	.1					11.1	9.0
WNW	1.0	1.6	2.9	2.9	.9	.4	.2	.1				11.1	11.2
NW	.7	.9	1.1	3.8	1.7	.5						8.7	12.6
NNW	.5	.9	2.0	2.5	.1	.2						6.2	10.2
VARBL													
CALM												7.6	
	12.0	22.9	24.8	23.0	6.5	2.8	.3	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727575 MINOT AFB ND 73-82 4A2
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-0500
HOURS (LST)

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	2.2	2.6	2.3	.7	.7						8.6	15.3
NNE	.4	.7	.3	.1	.3	.1	.1	.1				2.2	11.1
NE	.3		.7	.2								1.2	7.4
ENE	.4	.4	1.0	.5		.3						2.7	9.6
E	1.1	1.5	1.6	1.4								5.6	7.6
ESE	1.2	1.6	1.3	1.3	.3	.1						5.9	7.9
SE	1.5	2.8	2.4	1.2	.1							8.1	6.6
SSE	.9	1.2	1.1	1.5								4.7	8.1
S	1.1	1.5	1.4	1.1	.1							5.2	7.2
SSW	.7	1.1	.5	.9	.1	.2						3.5	9.3
SW	.4	1.2	.7	.1	.2							2.6	6.7
WSW	.8	1.2	2.1	.5	.1							4.7	7.1
W	1.8	3.1	2.7	1.5	.7	.4						9.3	8.4
WNW	.4	2.4	2.9	3.7	1.2	1.2						11.3	11.6
NW	.7	.5	3.0	3.0	2.7	.5						9.8	12.5
NNW	.5	.8	1.2	1.7	.3	.2	.1					4.9	10.6
VARBL													
CALM												8.8	
	12.9	22.3	25.5	20.3	6.1	3.8	.2	.1				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727575 MINOT AFB ND 73-82 MAC
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
607-0000
HOURS (LST)

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	1.7	1.2	2.3	.5	.4						7.4	9.5
NNE	.3	.3	.4	.1	.3	.3		.2				2.1	14.0
NE	.7	.8	.5	.3	.4							2.7	8.4
ENE	.4	1.7	1.1	.3								2.8	7.2
E	.5	2.2	1.3	1.1		.1						5.2	7.9
ESE	.8	2.6	1.7	1.0	.3							6.4	7.3
SE	1.3	3.2	2.0	1.1	.2							7.6	6.9
SSE	.4	1.7	1.4	2.1	.3							6.2	9.9
S	1.2	2.2	1.3	.8								5.4	6.4
SSW	.5	.7	.5	.4		.2						2.4	6.3
SW	.4	.9	.7	.1	.1	.1						2.3	7.1
WSW	.4	1.7	1.8	1.1	.2							5.3	8.3
W	.9	2.4	3.0	2.3	.3							8.9	6.5
WNW	.5	1.8	2.7	3.5	2.1	.7						11.3	11.9
NW	.2	.7	2.5	4.3	1.2	1.7	.2					10.1	13.3
NNW	.5	1.4	1.0	1.3	.8	.3	.1					5.4	11.1
VARBL													
CALM												7.4	
	10.4	24.3	23.2	22.0	6.8	3.1	.3	.2				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAC
MONTH
1983-1122
HOURS (L & Y)

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	1.1	1.4	2.4	1.3	.5						7.3	12.3
NNE	.4	.9	.5	.8	.3	.1	.1	.2				3.4	12.2
NE	.7	.2	.1	.4	.3	.1						1.8	9.8
ENE	.7	.9	1.0	.4								4.3	6.6
E	.4	.9	1.8	1.3								4.5	5.6
ESE	.3	1.0	2.4	1.8	.9	.2	.1					6.7	11.3
SE	.5	1.8	3.0	1.5	.3							7.3	6.6
SSE	.7	1.5	2.1	1.4	.8	.1						6.6	9.5
S	1.2	1.8	1.7	1.6	.3							6.7	7.9
SSW	.4	.7	.4	.4	.8		.1					2.8	12.8
SW	.1	.5	.4	.1	.2	.2						1.6	13.5
WSW	.2	.7	1.3	1.1	.2							3.7	9.5
W	1.1	1.6	2.2	3.4	1.7		.1					9.3	10.1
WNW	.2	.7	1.5	5.6	1.3	.9	.2					13.4	13.8
NW	.1	1.7	2.0	4.3	2.6	1.2	.3					11.5	14.7
NNW	1.3	.8	1.2	2.7	1.3	.3	.1					7.1	11.5
VARBL													
CALM												5.4	
	5.6	16.2	23.1	29.4	11.3	3.7	1.1	.2				170.3	12.3

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAC
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOURS (LST)
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	1.0	2.3	3.3	1.1	.3						9.8	11.1
NNE	.3	.4	.8	.5	.5	.1						2.7	11.1
NE	.5	.7	.4	.4	.1	.1	.2	.1				2.6	12.8
ENE	.4	.5	.3	.5	.1							2.0	7.8
E	.5	1.4	1.1	1.4	.4							4.9	9.2
ESE	.5	1.3	2.6	2.4	.7	.7						8.1	11.0
SE	.2	1.5	2.3	1.6	.5	.2						6.4	12.2
SSE	1.0	.8	1.5	1.5	.7	.4						5.4	11.1
S	.5	1.0	2.4	2.3	1.0	.4						7.6	11.2
SSW	.1	.3	1.2	.9	.4	.1						3.0	11.7
SW	.7	.8	.7	.7	.1							2.8	7.6
WSW	.4	.8	1.0	1.2	.3							3.7	9.3
W		1.7	2.1	2.8	1.4	.2	.1	.1				7.7	12.7
WNW	.4	.9	1.2	3.7	2.1	.8	.1					9.1	14.0
NW	.4	.9	1.4	4.3	2.6	1.6		.1				11.4	14.9
NNW	.8	1.2	1.5	3.9	.5	.7	.2					8.8	12.0
VARBL													
CALM												4.9	
	7.8	13.9	22.7	31.5	12.6	5.6	.7	.3				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 429
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (LST)
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	.4	1.4	3.5	.5							9.4	11.3
NNE	.8	1.3	.8	.4	.8	.4	.2					4.7	11.3
NE	.3	.5	.7	.3		.1						2.0	7.9
ENE	.3	.8	.8	.7	.3							2.8	8.7
E	.3	1.7	2.7	1.5	.9	.1						6.5	9.8
ESE	.3	1.7	2.1	2.5	1.1	.3	.2					7.5	11.9
SE	.4	1.5	1.4	2.2	.7	.2						6.4	11.2
SSE	.4	.7	2.0	1.8	.5	.2						5.6	11.2
S	.1	.7	2.5	2.2	.4	.3						6.2	11.2
SSW	.4	.5	1.2	.3	.1							2.6	7.7
SW	.1	.4	.7	1.2								2.4	10.3
WSW	.3	1.5	1.0	1.3	.4	.2						4.8	9.9
W	.5	.7	1.5	2.7	.9	.4		.3				7.1	13.1
WNW	.2	.5	1.2	3.0	1.4	1.1	.1					7.6	14.5
NW	.8	.9	2.2	5.6	2.7	1.7	.4	.1				12.9	13.9
NNW	.7	1.2	2.5	3.3	1.4	1.1	.1					10.2	12.5
VARBL													
CALM												4.1	
	6.8	14.3	23.7	32.6	11.4	5.5	1.1	.4				10.3	11.2

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-92 MAP
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (LST)

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	2.5	2.3	2.2	.3	.2						3.5	6.5
NNE	.8	1.5	1.3	1.3	.4	.2	.2					5.9	9.7
NE	.9	1.3	.3	.1		.1						2.7	5.7
ENE	.7	1.6	.8	.4		.1						3.6	7.1
E	.9	1.4	3.3	2.2	.8							8.5	9.3
ESE	.7	2.1	2.6	2.7	.9	.2						9.1	10.2
SE	.7	1.8	2.5	1.1	.4	.1						6.6	8.6
SSE	.5	2.0	2.1	.9	.2	.1						5.3	7.9
S	.4	3.1	1.8	.9	.1							6.4	7.3
SSW	.4	.8	.9			.2						2.3	7.7
SW	.2	1.7	.3	.3								1.6	6.4
WSW	.2	1.6	1.4	.4	.7	.1						4.5	8.9
W	.3	1.4	1.7	2.7	.3	.1						6.6	10.3
WNW	.5	1.4	1.7	1.8	.8	.2		.3				6.1	11.8
NW	.3	1.5	3.3	4.2	1.2	1.1						11.6	12.8
NNW	.2	.9	1.7	2.2	.8	.2						6.0	11.4
VARBL													
CALM												4.1	
	8.7	26.1	27.3	23.5	6.8	3.0	.2	.3				170.0	9.1

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 4A2
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1107-2320
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	.3	1.5	2.2	2.1	.3							6.4	9.1
NNE	.5	.5	.5	1.0	.7	.3						3.5	11.7
NE	.1	.9	.7	.3	.2							2.2	8.8
ENE	.7	.7	1.1	.5	.1	.2						3.3	8.7
E	1.0	1.3	1.7	1.2								5.2	7.4
ESE	.9	2.7	2.5	2.2	.7	.1						9.0	7.1
SE	.9	3.4	2.0	1.6	.5	.1	.1					3.5	8.6
SSE	1.3	3.2	1.4	.8								5.5	6.2
S	.8	2.3	1.2	.5	.4							5.2	7.4
SSW	.7	1.2	1.3	.4	.4							4.7	7.8
SW	.5	1.6	.1	.4	.1							2.8	6.3
WSW	.2	1.3	1.2	.5	.2							3.5	6.3
W	.7	2.6	3.0	2.3	.4	.4						9.5	9.3
WNW	.2	1.6	1.3	1.8	.3	.2		.2				5.3	11.2
NW	.7	.7	3.5	4.7	1.2	.5	.1					10.7	12.2
NNW	1.0	.7	2.0	1.4	.7	.1						5.3	9.8
VARBL													
CALM												7.8	
	10.3	26.1	25.7	21.2	6.3	2.1	.2	.2				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
ALL
HOURS (LST)

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	1.5	1.9	2.3	.7	.3						7.4	10.2
NNE	.5	.9	.7	.6	.5	.2	.1	.1				3.5	11.1
NE	.4	.6	.5	.3	.1	.1	.2	.7				2.1	8.5
ENE	.5	.8	.8	.5	.1	.1						2.7	8.2
E	.7	1.4	1.9	1.5	.3	.3						5.9	8.6
ESE	.7	1.8	2.1	1.9	.7	.2	.3					7.3	9.7
SE	.9	2.3	2.2	1.6	.4	.1	.3					7.4	8.4
SSE	.3	1.6	1.6	1.5	.3	.1						5.9	8.7
S	.8	1.8	1.7	1.3	.4	.1						6.2	8.3
SSW	.5	.9	.9	.5	.2	.1	.3					3.7	8.8
SW	.4	1.3	.5	.4	.1	.7						2.5	7.5
WSW	.4	1.3	1.4	.8	.3	.1						4.2	5.8
W	.8	1.9	2.6	2.4	.7	.2	.3	.1				8.7	10.0
WNW	.4	1.4	1.8	3.3	1.2	.7	.1	.1				9.5	12.5
NW	.5	.8	2.4	4.2	1.8	.9	.1	.0				10.8	13.4
NNW	.7	1.7	1.6	2.4	.7	.4	.1					6.8	11.3
VARBL													
CALM												6.7	
	9.7	20.7	24.5	25.4	8.5	3.7	.5	.2				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 7364

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 727575 STATION NAME MINDT AFB ND YEARS 73-82 MONTH APR
CLASS ALL WEATHER HOURS (LST) 0000-2359
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	2.8	3.2	1.2	.9	.4						12.3	6.7
NNE	.9	.7	.4	.2								2.2	5.4
NE	.6	1.0	.2	.5	.1							2.4	7.1
ENE	.9	1.6	.6	.2	.2	.1						3.9	6.9
E	.7	1.4	1.9	1.4	.3							5.9	8.7
ESE	.3	1.4	1.6	1.7	1.6	.3						6.9	11.5
SE	1.0	3.4	2.3	1.1	.3	.1						6.3	7.5
SSE	2.3	3.8	.8	.4	.1	.2						7.7	5.7
S	1.4	1.6	.9	.7	.8	.1						5.4	6.3
SSW	.2	.6	.8	1.0	.1							2.7	8.8
SW	.4	1.7	.9	.6								3.2	6.6
WSW	.9	2.3	1.6	.2								5.2	5.8
W	.9	2.9	1.9	.7		.1						6.4	6.8
WNW	.7	2.1	2.0	1.6	.6							6.9	6.7
NW	1.0	3.3	2.9	1.8	.3	.1						9.4	6.0
NNW	.3	1.4	1.8	1.1	.4	.1						5.2	9.1
VARBL													
CALM												3.4	
	14.3	31.7	23.7	14.4	5.8	1.7						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 APP
STATION STATION NAME YEARS MONTH
ALL WEATHER 7300-7600
CLASS HOURS (L & 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	3.3	1.4	1.7	.4	.2						6.8	7.8
NNE	.6	1.2	.6	.8	.2	.2						3.6	9.1
NE	.9	.2	.4	.2								1.6	5.6
ENE	.8	1.1	.8	.3								3.1	5.9
E	.6	1.8	1.9	1.4	.4							6.1	7.2
ESE	1.5	2.0	1.2	2.4	.6							7.2	8.8
SE	1.3	2.1	2.2	1.1	.4	.3						7.6	8.3
SSE	1.1	1.1	.4	.3	.1							3.4	5.8
S	.6	1.3	1.1	.7	.1	.1						3.9	6.3
SSW	.3	.6	1.0	1.3	.1							3.3	7.4
SW	.4	.2	.8	.9								2.3	6.8
WSW	1.5	2.7	1.2	.6								5.4	6.2
W	1.8	3.9	2.1	.8								6.6	6.3
WNW	.9	1.4	1.8	1.8	.3							6.2	5.7
NW	1.5	3.2	3.4	2.1	.4	.1						10.3	5.4
NNW	.7	2.1	1.9	1.3	.4	.2						6.7	5.2
VARBL													
CALM												12.1	
	14.6	28.3	22.3	17.8	3.7	1.2						170.3	7.3

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-2600
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	1.2	3.1	3.2	2.3	.2							12.1	8.3
NNE	1.0	.9	.2	.4	.4	.2	.1					3.3	9.3
NE	.9	.9	.6	.1								2.4	9.2
ENE	.8	.7	1.2	.5	.1							3.3	7.4
E	.8	1.7	1.7	1.3	.8	.3						6.6	9.9
ESE	.6	1.8	1.8	2.0	.7	.1						6.9	10.0
SE	.8	2.7	2.3	1.8	.4	.3						7.7	9.3
SSE	.8	1.2	1.2	.4								3.7	6.6
S	.4	1.2	1.3	.7	.2	.1						4.2	8.4
SSW	.3	.3	.3	.3								1.3	7.2
SW	.2	1.1	1.0	.7								3.3	7.8
WSW	1.1	1.8	.9	.6	.2							4.6	6.7
W	.9	2.2	3.1	1.3	.1	.1						7.8	7.8
WNW	.7	1.6	2.3	2.3	.2							7.1	9.3
NW	.6	2.2	3.4	2.8	.6	.6						10.1	10.0
NNW	.8	2.4	2.3	.4	.8	.4						7.2	9.1
VARBL													
CALM												10.9	
	11.8	25.1	47.0	18.1	4.8	2.2	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-52
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

APR
MONTH
933-130
HOURS (LST)

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	4.6	3.3	1.1	.3						15.7	1.83
NNE	.8	1.0	1.6	1.9	.1	.1						3.4	9.3
NE	.4	1.1	.1									1.7	4.3
ENE	.9	.6	.9	1.2	.2							3.3	8.4
E	1.0	1.8	2.0	2.0	1.0							7.6	9.5
ESE	.4	1.9	1.3	3.3	1.1	.8	.1					9.0	12.4
SE	.3	1.3	2.2	2.4	1.0	.3						7.7	11.3
SSE	.3	1.3	1.2	1.9	.1		.1					5.0	9.9
S	.1	.1	2.2	2.2	.3							5.0	11.1
SSW	.3	.6	1.2	1.8	.2	.1						4.2	10.5
SW	.2	.3	1.0	.6	.1							2.2	9.2
WSW	.3	1.0	1.0	.8	.2							3.3	8.4
W	.7	1.4	2.0	.9	.2	.4	.2					5.6	10.2
WNW	.6	.2	.8	1.6	1.4	.4						5.1	13.6
NW	.6	1.2	2.0	4.0	1.2	.9						10.1	12.6
NNW	.4	2.3	1.6	2.0	1.8	.3						5.6	11.0
VARBL													
CALM												2.7	
	9.2	18.8	26.1	29.8	10.2	3.8	.4					170.0	10.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 APR 1992-1992
STATION MONTH
STATION NAME YEARS
ALL WEATHER CLASS
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	4.8	3.8	1.6	.4						1.2	1.1
NNE	.2	1.1	.8	1.1	.4	.3						1.9	1.1
NE	.7	1.2	1.7	.7								1.5	6.8
ENE	.2	.6	1.4	.8	.2							1.2	9.4
E	.8	1.7	2.6	2.3	.4	.4						6.2	1.1
ESE	.1	.9	2.3	2.1	1.4	1.2						5.1	13.5
SE	.7	1.0	3.1	2.7	.7	.6	.2					9.7	11.8
SSE		1.4	1.7	2.1	.8		.1					6.1	11.1
S	.1	.4	1.8	1.7	.4	.1						4.0	11.1
SSW	.1	.2	1.1	1.3	.3							3.1	11.5
SW	.2	.1	1.0	.7								2.0	8.9
WSW	.3	.4	.8	1.7								2.8	8.6
W	.3	1.7	1.4	2.7	.4	.2	.1					9.4	11.5
WNW	.3	.4	.9	2.2	1.9	.8	.2					6.3	15.4
NW	.4	.6	2.7	.8	2.7	1.1						7.6	14.4
NNW	.7	1.2	4.1	2.4	.9	.7						10.2	12.8
VARBL													
CALM												3.1	
	5.7	13.8	30.8	27.7	12.4	5.9	.7					170.1	11.2

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 APP
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (LST)
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	1.6	4.1	3.9	1.2	.3						12.2	12.6
NNE	.2	.8	1.2	2.2	.6	.1						5.1	11.6
NE	.2	.6	.7	.7								2.1	8.3
ENE	.2	.8	.9	1.6	.4	.1						4.0	11.0
E	.6	1.9	2.3	2.6	.3	.1						7.8	9.5
ESE	.3	.8	1.8	4.0	1.8	.4	.6					9.7	13.9
SE	.2	1.4	1.2	2.1	1.4	.2	.2					6.9	12.3
SSE	.6	.8	1.6	2.3	.6	.3	.1					5.2	11.8
S	.4	.4	2.3	1.3	.4	.1						5.1	10.3
SSW	.2	.4	.7	.9	.7							2.4	9.9
SW			.7	.6								1.2	10.6
WSW	.2	1.3	.8	1.2	.1							3.7	8.5
W	.2	1.1	1.4	2.2	.1	.3						5.9	11.2
WNW	.1	.7	1.0	2.6	1.3	.8						6.4	13.9
NW	.3	1.0	2.1	3.7	2.3	1.2	.1					10.8	14.0
NNW	.3	1.4	2.6	2.2	.7	.9						8.1	11.6
VARBL													
CALM												2.7	
	5.1	15.0	25.3	34.0	11.9	5.7	1.0					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB MO 73-82 APR 1800-2000
STATION NAME YEARS MONTHS
ALL WEATHER CLASS 1800-2000 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	.8	2.6	3.7	2.9	.4			.1				1.5	9.3
NNE	1.0	1.3	2.1	1.0	.6	.2	.1					6.3	9.4
NE	.8	1.2	.9	.2								3.1	5.9
ENE	.3	1.7	2.0	1.4	.3							5.8	8.7
E	.9	2.9	3.0	1.7	.6	.2						9.2	8.6
ESE	.9	1.9	2.3	2.8	1.2	.8						9.9	11.2
SE	.7	1.6	1.9	2.1	.6							6.8	9.5
SSE	.2	1.7	2.1	1.0	.3	.8						5.1	10.7
S		1.1	1.0	1.2	.7							3.5	9.6
SSW	.2	.2	.2	.3	.1							1.1	8.5
SW	.4	.6	.4									1.4	5.5
WSW	.2	.3	.7	.2								1.4	7.2
W	.8	.9	1.2	1.7		.1						4.0	8.2
WNW	.6	1.1	2.3	2.1	.7	.3						7.1	10.6
NW	.8	2.2	3.0	3.2	1.3	.6						11.1	10.7
NNW	.4	1.9	1.8	2.3	1.7	.4						7.9	10.9
VARBL													
CALM												4.5	
	9.0	23.2	28.7	23.6	7.3	3.5	.1	.1				120.0	9.2

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

727575 MINOT AFB ND 73-82 APR 2100-2300
STATION STATION NAME YEARS MONTH
CLASS
CONDITION
HOURS (LST.)

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	3.9	1.9	1.3	.4							8.7	7.5
NNE	1.0	.9	.8	.8	.2							3.7	7.4
NE	.6	1.7	1.1	.4								3.0	6.4
ENE	.2	1.7	1.2	.9	.2	.2						4.4	9.1
E	.4	3.0	3.7	1.2	.3	.1						8.8	5.4
ESE	.9	1.6	1.8	2.6	1.4	.2						8.4	11.1
SE	1.3	3.2	2.6	1.0	.2		.1					5.4	7.2
SSE	1.4	3.2	1.1	.6	.2	.1	.1					6.8	6.8
S	.9	1.9	.3	1.1	.4							4.7	8.3
SSW	.3	.4	.6	.3								1.7	7.1
SW	.4	1.0	.2	.1								1.8	5.1
WSW	.8	1.0	.8		.1	.1						2.9	6.5
W	.8	3.2	2.3		.1							6.4	6.0
WNW	.4	1.8	2.4	.9	.1							5.7	7.5
NW	.9	1.2	3.6	1.8	.6	.1						6.1	9.4
NNW	1.0	2.0	1.7	.9	.4	.2						6.2	8.1
VARBL													
CALM												9.7	
	12.6	31.7	26.0	13.9	4.9	1.1	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 APR
STATION NAME YEARS MONTH
ALL WEATHER CLASS ALL
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	3.4	2.6	.8	.2		.7				1.7	9.4
NNE	.7	1.7	1.7	1.1	.3	.2	.3					4.2	9.4
NE	.6	1.0	.6	.4	.7							2.5	6.3
ENE	.5	1.1	1.1	.9	.2	.1						3.9	8.5
E	.7	2.7	2.4	1.8	.5	.2						7.5	9.2
ESE	.6	1.5	1.8	2.6	1.2	.5	.1					3.3	11.7
SE	.7	2.0	2.2	1.8	.7	.2	.1					7.8	9.6
SSE	.8	1.8	1.3	1.1	.3	.2	.1					5.6	6.7
S	.5	1.0	1.4	1.2	.4	.1						4.5	9.5
SSW	.3	.4	.7	.9	.1	.0						2.5	9.5
SW	.3	.6	.8	.5	.7							2.2	7.7
WSW	.6	1.4	1.0	.6	.1	.7						3.6	7.1
W	.5	2.1	1.9	1.1	.2	.2	.7					6.3	8.2
WNW	.5	1.2	1.7	1.9	.8	.3	.0					6.4	1.9
NW	.7	1.9	2.8	2.5	1.2	.6	.7					9.7	1.3
NNW	.6	1.9	2.2	1.6	.8	.4						7.5	1.1
VARBL													
CALM												6.8	
	20.2	23.4	26.2	22.4	7.6	3.0	.3	.7				120.2	8.9

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 MAY
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-2400
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	1.7	2.2	1.6	1.1	.1							5.7	6.5
NNE	.6	1.2	1.2	1.3	.3							4.2	9.7
NE	.8	.5	.5	.2								2.3	6.0
ENE	.3	.9	1.1	.6								2.9	7.7
E	.5	1.2	1.9	.9	.4	.2						5.2	9.5
ESE	.5	1.8	2.3	.4	.5							5.6	8.3
SE	1.4	3.1	2.3	1.7	.1							7.7	6.7
SSE	1.2	4.1	1.3	1.1	.1							7.7	6.5
S	1.7	3.4	1.0	.9	.6	.1						7.7	7.1
SSW	.8	2.6	1.8	.9	.1							6.1	7.0
SW	1.2	2.2	.8	.8		.1						4.9	6.3
WSW	.9	1.9	.8	.3								3.9	5.8
W	1.9	3.8	2.3	.9	.3							9.1	6.5
WNW	.8	2.5	2.2	.8		.1						6.2	6.9
NW	.8	1.2	1.6	1.1	.1							4.7	7.9
NNW	.5	1.5	3.0	1.1								6.1	7.7
VARBL													
CALM												9.3	
	15.2	33.9	15.5	13.1	2.8	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
8300-0500
HOURS (L & 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	1.3	2.7	2.4	1.6	.2							2.4	7.7
NNE	.2	1.0	.8	.6	.2							2.3	8.4
NE	.3	.2	.5		.1							1.2	6.7
ENE	.4	.6	1.4	.3	.1							2.9	8.1
E	1.1	1.8	1.3	1.7	.3	.1						6.3	8.4
ESE	.9	1.8	1.7	.4		.1						4.9	6.6
SE	1.6	2.8	2.0		.2	.1						6.3	6.3
SSE	1.7	2.5	1.6	.6	.2							6.7	6.1
S	1.8	2.0	1.5	1.0	.1							6.5	6.4
SSW	1.2	1.9	.5	.5								4.2	5.7
SW	1.0	1.8	1.4	.9	.2							5.3	7.3
WSW	1.5	1.8	1.3	.8								5.4	6.2
W	1.5	3.8	1.6	1.5	.3							6.7	7.1
WNW	2.0	2.6	1.3	.9								6.8	5.8
NW	1.0	2.5	3.2	.6		.2						7.5	7.2
NNW	1.0	1.4	1.6	1.0								4.9	7.2
VARBL													
CALM												10.8	
	18.5	31.5	24.2	12.5	2.7	.5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727675 MINOT AFB ND 73-84 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
3600-3800
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	.5	1.7	3.8	1.1								7.1	6.0
NNE	.4	.9	1.3	.3	.4							3.3	6.4
NE	.1	1.7	.9	.1	.2							2.3	6.0
ENE	.8	.6	1.0	.3								2.7	6.6
E	1.2	1.5	1.7	2.4	.3	.1						7.5	6.6
ESE	1.4	1.7	1.9	.4								5.5	6.3
SE	1.4	1.9	3.2	1.7	.1							8.4	7.7
SSE	1.7	2.2	1.7	1.5	.2							7.3	7.4
S	1.5	1.6	1.0	.9								4.9	6.5
SSW	.6	1.1	1.1	.4	.1							3.3	7.2
SW	.9	2.0	1.8	1.0	.1							5.8	7.3
WSW	.4	1.5	1.8	1.1	.1							4.9	8.0
W	1.7	2.7	1.7	1.6	.5							8.3	7.8
WNW	1.2	2.2	2.4	.9	.5							7.1	7.5
NW	.6	1.7	2.3	2.2	.3							7.1	8.7
NNW	.2	1.9	2.4	1.4	.3							6.2	6.9
VARBL													
CALM												8.2	
	14.7	26.6	29.9	17.2	3.3	.1						170.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
8900-1100
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	1.1	1.4	4.3	3.3	.2	.2						11.2	9.4
NNE	1.0	1.3	1.9	.9	.1							5.1	7.7
NE	.4	.6	1.2	.8	.2							3.2	6.5
ENE	.2	.7	1.3	.5	.1							3.0	6.3
E	.6	1.3	2.5	2.2	.5	.2	.1					7.4	10.5
ESE	.5	1.3	2.0	1.4	.5	.1	.1					6.2	9.8
SE	.9	1.3	2.8	2.4	.3	.3	.2					6.1	10.6
SSE	1.2	1.4	1.7	3.2	.8	.4	.1					9.3	11.1
S	.9	1.4	1.8	3.7	.6	.1						8.4	10.5
SSW	.1	.5	1.1	.3	.1							2.2	6.6
SW	.4	.5	1.5	1.8	.1							4.4	10.0
WSW	.1	.2	1.6	1.7	.3							4.3	11.6
W	.3	.5	1.6	2.2	.5	.5						5.7	12.3
WNW	.4	.8	1.9	2.5	.8	.4						6.3	11.9
NW	.2	1.1	1.8	1.8	.2							5.2	9.9
NNW	.1	1.1	2.6	3.1	.3							7.2	10.7
VARBL													
CALM												3.7	
	8.3	16.0	31.6	31.7	5.8	2.4	.5					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (LST)

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	4.3	3.2	1.7	.1						11.2	10.0
NNE	.5	1.4	1.4	1.4	.2	.1						9.1	9.2
NE	.5	1.0	1.3	.9								3.7	7.8
ENE	.3	.3	.9	1.2	.1							3.2	9.3
E	.3	1.4	2.2	1.8	.5	.4	.1					6.8	11.0
ESE	.2	1.0	1.7	1.7	.3	.2	.2					3.4	11.2
SE	.3	1.5	2.3	2.8	1.1	.5						6.5	11.9
SSE	.3	1.2	1.8	3.2	1.4	.5	.5					9.0	13.7
S	.5	.8	1.8	3.5	.5	.2						7.5	11.9
SSW		1.0	.5	.9	.1							2.5	9.3
SW	.4	.2	1.2	1.5	.2							3.5	10.4
WSW	.2	.8	.5	1.1	.3	.1						3.0	10.2
W	.5	1.0	1.2	1.8	.9	.4						6.8	12.0
WNW	.4	.5	1.9	2.5	.8	.3						6.5	11.6
NW	.1	.6	1.6	3.3	.2	.2						6.1	11.6
NNW	.4	.5	3.8	3.5	.6							8.9	10.9
VARBL													
CALM												3.3	
	6.1	15.3	28.4	34.4	8.4	3.2	.9					170.3	12.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575
STATION

MINOT AFB ND

STATION NAME

73-92

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	.5	1.0	3.1	3.0	1.1							2.2	12.7
NNE	.1	1.1	1.9	1.8	.3	.1						5.4	12.4
NE	.2	.5	.9	1.2	.2							5.0	12.0
ENE	.3	1.0	.4	.9	.2							2.6	9.2
E	.5	2.8	3.0	1.3	1.0	.4	.2	.1				9.4	12.3
ESE	.6	2.7	1.4	1.6	.1	.1	.1					6.0	8.9
SE	.3	1.7	2.2	2.8	.3	.4						7.5	11.3
SSE	.3	.6	1.9	2.3	1.4	.4	.3					7.3	13.7
S	.2	1.2	2.5	3.2	1.4	.2	.2					8.9	12.4
SSW	.2	.3	1.2	1.1	.3							3.1	10.2
SW	.3	.5	.5	.4	.3							2.2	9.1
WSW	.2	.2	.9	1.2	.4	.3						3.2	12.5
W	.2	.5	1.4	1.7	1.7	.6	.1					5.6	13.7
WNW		1.5	1.3	1.9	.6	.8						6.1	12.3
NW	.2	1.2	1.8	3.0	1.4	.3						8.7	12.4
NNW	.4	1.2	2.4	4.3	.8	.2						9.2	11.5
VARBL													
CALM												3.9	
	5.1	16.7	26.8	31.7	12.9	4.7	1.2	.1				122.0	14.2

TOTAL NUMBER OF OBSERVATIONS 934

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
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	.3	2.7	3.3	3.5	.3	.1						10.3	9.4
NNE	1.5	1.3	.6	1.3	.9	.1	.1					9.3	11.0
NE	.8	1.3	1.6	1.2	.3							5.2	8.6
ENE	.2	1.7	1.4	1.5		.2						4.5	8.4
E	1.1	2.5	2.2	2.7	.4	.5	.3					10.3	10.3
ESE	1.0	1.9	1.8	1.5	.4							8.7	8.3
SE	1.1	1.8	2.3	1.3	.3	.2						7.1	8.3
SSE	.5	.6	1.7	1.7	.5	.5						5.7	11.4
S	.3	1.3	2.4	2.9	.8	.2						7.8	11.1
SSW	.2	.5	1.3	.5	.1							2.3	8.8
SW	.2	.3	.6	.5	.1							1.3	9.1
WSW	.3	.6	.9	.5	.1							2.5	8.2
W	.5	1.2	1.6	1.7	.5	.1						5.7	10.0
WNW	.8	2.1	1.1	.9	.6	.3						5.7	9.1
NW	1.2	1.8	1.9	2.8	.5	.1						3.4	9.5
NNW	.3	2.1	2.6	2.5	.2	.2						7.8	9.6
VARBL													
CALM												2.3	
	9.8	24.2	27.3	26.6	6.2	2.7	.4					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 2100-2300
CONDITION HOURS (LST)

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	2.9	2.4	1.1	.3							2.2	6.8
NNE	1.3	1.3	1.2	1.1	.5							2.1	5.4
NE	1.2	1.6	1.4	.5	.1	.1						4.9	6.5
ENE	.6	1.1	.5	.2	.2							2.7	6.9
E	.4	1.8	2.7	2.6	.3	.3						8.2	9.9
ESE	.5	3.3	2.2	1.4								7.4	7.1
SE	1.5	2.5	1.5	1.5	.1							7.1	7.3
SSE	1.1	3.9	1.5	1.1	.2	.4						3.2	7.4
S	.9	2.8	1.1	1.2	.2							6.1	7.1
SSW	.4	2.4	.2	.2								3.2	5.3
SW	.6	1.3	.9	.3								3.1	6.2
WSW	.9	1.5	.8	.3	.1			.1				3.7	6.9
W	1.3	3.3	2.2	.8								7.2	6.3
WNW	.4	1.7	1.5	.8	.2	.3						4.9	6.9
NW	1.7	2.2	1.3	1.0	.2							5.6	7.1
NNW	.6	1.1	2.2	.8	.1							4.7	7.7
VARBL													
CALM												9.3	
	14.6	34.3	23.3	14.7	2.7	1.2		.1				120.2	6.7

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (LST)

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	2.1	3.1	2.2	.4	.1						8.5	6.7
NNE	.6	1.2	1.3	1.1	.4	.5	.					4.5	9.1
NE	.5	.8	1.0	.6	.1	.5						3.2	7.9
ENE	.4	.9	1.2	.6	.1	.7						3.1	8.1
E	.7	1.9	2.2	1.9	.5	.7	.1	.5				7.6	7.9
ESE	.7	1.9	1.9	1.1	.2	.1	.1					5.9	8.3
SE	1.3	2.3	2.3	1.7	.3	.2	.7					7.6	8.8
SSE	1.7	2.1	1.7	1.8	.6	.3	.1					7.5	9.8
S	1.7	1.8	1.6	2.2	.6	.1	.5					7.2	9.4
SSW	.4	1.3	1.7	.6	.1							3.4	7.5
SW	.6	1.1	1.1	.9	.1	.						3.9	8.5
WSW	.6	1.1	1.1	.9	.2	.1		.7				3.5	8.4
W	1.5	2.1	1.7	1.5	.5	.7	.5					7.0	9.5
WNW	.9	1.7	1.7	1.4	.4	.3						6.3	7.2
NW	.6	1.5	1.9	2.0	.4	.1						8.6	9.4
NNW	.5	1.3	2.6	2.2	.3	.1						6.9	9.6
VARBL													
CALM												6.3	
	11.5	24.9	27.1	22.7	5.3	1.8	.3	.5				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 744

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

707575 MINOT AFB ND 73-84 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

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	1.7	1.6	1.7								4.2	7.4
NNE	.5	.7	1.0	.2								1.2	6.7
NE	.8	.6	.1	.3								1.5	5.6
ENE	.5	1.6	1.1	.2								3.2	6.4
E	.9	1.9	1.4	1.5								5.1	6.9
ESE	1.1	1.3	1.2	.2	.1							4.1	6.1
SE	1.8	2.4	1.2	1.1	.1							6.7	6.4
SSE	2.1	3.1	1.6	.7	.3							7.8	6.4
S	1.7	3.2	1.7	.6	.1							7.1	6.7
SSW	.6	2.1	1.0	.2	.3	.1						4.3	7.1
SW	1.5	3.1	1.4		.1							6.5	6.7
WSW	1.0	3.0	.9	.1	.3							6.1	5.8
W	2.1	7.6	2.9	1.0	.3							13.9	6.1
WNW	.4	3.2	1.8	.9	.2							6.3	7.4
NW	1.7	2.4	1.2	.4	.4	.3						6.6	7.5
NNW	.7	1.1	.7	.6	.1							3.1	7.2
VARBL													
CALM												17.5	
	17.9	39.2	2.8	8.6	2.6	.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	1.0	.6	.3								3.0	5.9
NNE	.5	.2	.7	.2								1.9	5.6
NE	.5	.2	.6	.4								2.0	7.0
ENE	.8	.7	1.1	.4								2.8	7.3
E	.5	2.2	1.6	1.0	.1							6.4	6.5
ESE	.7	2.3	1.4									4.7	5.4
SE	1.4	2.4	1.4	.4								5.8	5.6
SSE	1.2	2.7	1.3	.6								6.0	6.0
S	1.1	1.7	1.3	.4								5.9	6.1
SSW	1.2	.7	.8	.6	.1							3.3	6.3
SW	.5	2.7	1.4	.1								5.0	5.4
WSW	1.5	2.7	1.1	.7	.2	.7						6.7	6.6
W	3.2	5.7	4.8	1.7	.4							16.0	6.5
WNW	1.7	4.4	2.2	.9	.1							9.3	6.5
NW	.9	2.4	1.9	1.0	.2							6.3	7.5
NNW	.4	1.0	1.0	1.1	.2							4.6	6.2
VARBL												12.2	
CALM													
	17.9	35.1	23.2	2.9	1.4	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JULY
2622-0822
HOURS (LST)

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	1.8	1.2								4.2	7.5
NNE	.8	1.2	.3	.2								2.5	5.2
NE	.4	.7	.8	.2	.1							2.2	6.9
ENE	.3	.9	.6	.8	.1							2.7	8.4
E	.8	1.9	1.3	.8								4.3	6.9
ESE	1.3	1.6	2.2	1.2								6.1	6.8
SE	1.1	1.9	2.4	.4								5.2	6.3
SSE	1.0	1.9	1.1	.9	.1							5.2	7.2
S	1.2	.8	1.2	1.1	.3							4.7	6.3
SSW	.6	.7	.6	.6	.1							2.4	7.8
SW	.3	1.4	1.2	.7	.1							3.6	7.6
WSW	.9	2.4	1.6	.8								5.7	6.6
W	1.4	3.9	4.6	1.9	.4	.1						12.2	6.2
WNW	.9	2.7	3.8	3.0	.4	.1	.1					11.2	9.3
NW	.6	1.9	3.1	1.6	.3							7.4	6.7
NNW	.7	1.3	2.3	2.4								6.3	8.6
VARBL													
CALM												11.9	
	12.6	26.7	28.9	17.3	2.1	.2	.1					10.2	6.8

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1900-1900
CLASS HOURS (L & 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	2.7	1.6	.1							9.7	8.3
NNE	.2	.7	1.3	.9	.1							2.9	9.3
NE	.7	1.3	1.1	.8	.1							4.0	7.5
ENE	.6	1.6	1.3	.4								3.9	8.7
E	.3	1.3	1.7	1.6	.3							8.6	9.3
ESE	.2	.9	2.1	1.6	.2							9.2	9.4
SE	.4	2.1	1.2	1.9	.1							5.5	6.4
SSE	.7	2.1	1.8	1.3	.4	.1						6.1	8.3
S	.3	1.1	2.0	1.2	1.0	.4						8.1	11.5
SSW	.4	1.3	1.2	1.2	.7							4.5	10.5
SW	.7	.7	2.3	1.0								4.0	8.6
WSW	.6	1.1	1.2	1.0								3.9	8.1
W	.8	1.2	1.9	3.2	1.0	.1						9.2	11.0
WNW	.2	1.3	3.0	4.1	.8	.6	.2					1.3	12.3
NW	.4	1.4	4.8	3.8	.9	.1						11.4	10.3
NNW	.3	1.3	2.6	3.3	.6							8.1	10.5
VARBL													
CALM												4.4	
	7.3	20.8	30.9	28.6	6.4	1.3	.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)

727675 MINOT AFB ND 73-82 1973-1974
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	2.3	1.9	1.7	.4							5.2	5.5
NNE	.3	2.3	1.1	1.1	.2							5.1	6.2
NE	.3	.6	.8	.8	.1							2.6	6.6
ENE	.3	.6	1.1	.8								2.8	6.9
E	.3	.6	2.3	1.4	.4	.1						5.2	10.6
ESE	.3	1.4	1.2	1.0	.2	.2						4.4	9.1
SE	.3	1.2	2.1	1.6	.3	.3						5.7	10.2
SSE	.4	.9	2.6	1.6	.1	.2						5.8	9.5
S	.8	1.9	1.7	1.7	.7	.7						7.2	10.5
SSW	.3	.1	.8	1.3	.1	.2						2.9	11.6
SW	.4	.1	1.7	1.0	.2							3.4	10.0
WSW	.1	1.2	1.6	1.0	.8	.1						4.8	10.5
W	.3	.7	2.3	2.3	1.2	.2						7.1	11.9
WNW	.1	.9	3.0	4.3	1.0	1.0	.1					10.3	10.3
NW	.4	1.1	3.3	4.7	1.0	.8	.1					11.5	10.2
NNW	1.1	1.3	3.2	3.3	1.3	.3						10.7	10.8
VARBL													
CALM												3.3	
	6.7	17.0	30.7	29.6	8.2	4.2	.2					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727575 MINOT AFB ND 73-82 JUN 1982

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

1500-1700
HOURS (L & T)

SPEED (KNTS) D.R.	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	1.7	3.1	1.4	.9	.2						3.6	9.6
NNE	.9	1.6	1.6	.3	.1							4.4	8.6
NE	.3	1.0	1.0	1.1	.1							3.6	8.6
ENE	.2	1.0	1.6	.9								3.7	8.3
E	.4	1.2	2.3	1.0	.3	.1						5.4	9.1
ESE	.6	1.3	1.0	.4	.1	.1						3.5	8.1
SE	.3	.7	1.3	1.1	.7	.1						4.2	11.7
SSE	.1	1.3	2.2	1.9	.6	.1						6.2	10.6
S	.1	1.1	2.0	2.0	.8	.2						6.2	11.2
SSW	.3	.3	.9	1.1	.4	.2						3.3	11.4
SW		1.0	1.8	1.0								3.3	9.0
WSW	.2	.8	1.4	2.0	.4		.1					5.0	11.0
W	.3	1.0	2.7	2.9	1.6	.3	.1	.1				9.0	12.4
WNW	.4	1.4	3.2	4.3	1.4	.4						11.3	11.7
NW	.2	1.6	2.6	3.7	1.3	1.1						10.4	12.4
NNW	1.0	1.4	2.1	3.3	1.6	.1						9.6	10.7
VARBL													
CALM												2.2	
	6.3	18.4	30.8	28.6	10.2	3.1	.2	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 1973-1974
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	1.6	2.6	2.0	.2							2.1	5.1
NNE	.9	1.9	.8	.8								4.3	5.3
NE	1.8	1.8	1.7									4.4	5.5
ENE	.6	1.6	1.3	1.1	.2							4.8	6.2
E	.9	2.7	2.3	1.0	.1	.1						6.4	7.7
ESE	.4	1.7	2.4	1.3	.3							6.2	6.8
SE	.6	2.3	1.7	.8	.4							5.8	7.9
SSE	.3	1.2	1.7	1.3	.2							4.3	7.5
S	.6	2.3	1.7	1.0	.2							5.4	7.8
SSW	.3	.7	.6	.4								2.0	7.4
SW	.4	1.6	.8	.6	.1	.1						3.6	7.8
WSW	.6	1.6	1.7	1.1	.3	.1						5.3	8.9
W	1.1	2.9	2.6	1.3	.6	.2	.1					6.3	8.7
WNW	.2	2.9	2.1	1.4		.1	.1					6.5	8.5
NW	.8	2.3	3.3	3.9	.7	.3						11.3	10.1
NNW	.3	1.4	2.1	2.4	.6	.2						7.1	10.7
VARBL													
CALM												4.8	
	20.8	29.2	29.2	20.6	4.0	1.2	.2					122.0	6.1

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

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	2.3	.3	.1	.1						6.2	6.9
NNE	.9	1.1	.3	.1								2.4	4.6
NE	1.0	1.4	.7	.2	.1							3.4	5.8
ENE	1.8	2.3	1.4	.3								5.9	5.6
E	1.0	1.9	1.7	.1								4.7	5.8
ESE	.7	3.2	3.3	1.3		.2	.1					7.9	8.4
SE	1.8	3.7	1.8	1.0								8.2	8.2
SSE	1.8	4.0	.3	.3								6.4	4.8
S	.9	3.6	1.1	.7								6.2	5.7
SSW	.7	1.7	.6		.2							3.1	5.9
SW	2.2	2.2	.8	.1								5.3	4.4
WSW	1.4	3.3	.8	.6	.1							6.2	5.8
W	2.1	5.6	2.0	.8	.3	.1						10.9	8.2
WNW	1.3	2.7	1.0	1.0	.1	.2						6.3	7.0
NW	.3	1.8	1.6	.6	.1	.3						4.7	8.5
NNW	.2	.8	1.0	.6	.2							2.8	8.6
VARBL													
CALM												9.4	
	19.2	40.2	20.7	8.0	1.3	1.0	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-8
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUL
MONTH
ALL
HOURS (LST)

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	2.1	1.2	.2	.2						8.1	6.7
NNE	.6	1.2	.8	.5	.1							3.2	6.7
NE	.6	1.0	.8	.5	.1							3.0	6.9
ENE	.6	1.3	1.2	.6	.2							3.7	7.2
E	.8	1.6	1.8	1.0	.2	.5						5.3	7.8
ESE	.7	1.6	1.9	.9	.1	.1	.7					5.2	7.8
SE	1.0	2.1	1.7	1.0	.2	.1						6.0	7.5
SSE	1.0	2.2	1.6	1.0	.2	.1						6.0	7.6
S	.8	1.8	1.6	1.1	.4	.2						5.5	8.5
SSW	.6	.9	.8	.7	.3	.1						3.3	8.5
SW	.3	1.6	1.4	.6	.1	.2						4.4	8.8
WSW	.8	2.1	1.3	.9	.3	.1	.0					5.5	7.7
W	1.4	3.6	3.0	1.9	.7	.1	.0	.0				10.8	6.3
WNW	.7	2.4	2.5	2.5	.5	.3	.1					9.0	9.9
NW	.7	1.9	2.7	2.4	.6	.4	.0					8.7	10.1
NNW	.6	1.3	1.9	2.1	.6	.1						6.6	9.9
VARBL													
CALM												7.4	
	12.4	28.7	26.9	18.9	4.5	1.5	.1	.0				120.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB MO 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	1.7	.1								4.3	5.3
NNE	.6	.6	.4	.1								1.3	5.4
NE	.2	.4	.4									1.1	5.0
ENE	.5	1.2	.8	.2		.1						2.8	6.8
E	.4	1.9	.5	.2								3.2	5.9
ESE	1.1	2.3	2.4	.3	.1							6.7	6.3
SE	2.4	4.2	1.8	.5								6.9	5.4
SSE	1.9	3.5	.4	.1								6.0	4.5
S	.6	2.3	.5	.2	.4							6.0	5.2
SSW	1.5	1.1	.4	.4	.1							3.5	5.6
SW	1.5	2.2	.6	.4								4.7	5.3
WSW	1.6	3.0	1.1	.4								7.0	5.2
W	4.0	6.6	1.3	.3	.1							12.3	4.5
WNW	2.3	3.9	1.1	.2								7.4	5.0
NW	.5	2.3	1.2	.5	.3							4.5	7.7
NNW	.3	2.5	1.1	.6	.1							4.8	6.7
VARBL												14.5	
CALM													
	22.8	40.6	15.9	4.8	1.2	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 STATION MINOT AFB ND 73-82 YEARS JUL MONTH
ALL WEATHER CLASS 727675-7500 HOURS (LST)
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	1.2	1.7	.4	.1							1.2	2.5
NNE	.4	.5	.5	.1								1.3	2.1
NE	.5	.4	.3									1.3	4.3
ENE	.8	.6	.8									2.2	2.4
E	.4	1.7	1.4	.4								4.3	6.7
ESE	.9	1.1	1.7	.6								4.3	7.2
SE	2.2	3.3	1.3	.3								7.1	5.3
SSE	1.5	2.4	1.3	.4								5.6	5.4
S	1.3	2.2	.8	.5	.2							5.5	5.9
SSW	1.7	1.4	.6	.3								3.3	5.4
SW	1.1	1.7	.3	.2	.1							3.4	5.3
WSW	1.9	4.7	2.0	.4								5.9	5.4
W	3.1	5.9	2.7	.9	.2							14.1	5.1
WNW	1.7	4.7	2.2	.2		.1						6.9	5.6
NW	1.1	3.5	1.9	.8	.3	.1						7.7	6.9
NNW	.7	1.5	1.2	.2								3.2	6.5
VARBL													
CALM												13.5	
	21.6	37.2	25.3	5.9	1.7	.2						122.1	4.9

TOTAL NUMBER OF OBSERVATIONS 935

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 727575 MINOT AFB ND STATION NAME YEARS 73-82 MONTH JUL
CLASS ALL WEATHER HOURS (LST) 1600-2800
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	2.4	2.7	2.5	.4								8.0	3.5
NNE	.4	.5	1.2	.4								2.5	7.4
NE	.2	1.3	.3									1.5	4.9
ENE	.3	.5	.6									1.7	5.3
E	.4	1.4	1.1	.3								3.2	6.6
ESE	.4	1.5	2.4	1.0	.1							5.4	7.9
SE	.5	1.3	1.5	1.0								4.4	7.7
SSE	1.7	2.7	2.0	.5								7.0	6.0
S	1.4	3.7	1.8	1.7	.1							7.3	6.4
SSW	1.0	1.1	1.2	.3								3.5	5.8
SW	.3	1.3	.6	.2								2.5	6.2
WSW	1.1	2.9	1.3	.3		.1						5.9	6.1
W	3.3	4.3	2.8	1.4	.5							12.3	6.7
WNW	.9	3.7	4.2	1.5	.1							13.3	7.8
NW	.5	3.7	2.4	1.7								7.6	7.7
NNW	.5	2.4	1.9	.3	.1							5.5	6.7
VARBL													
CALM												11.3	
	15.6	33.2	28.0	17.6	1.2	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 530

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-84 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	N	MEAN WIND SPEED
N	.0	2.5	4.1	1.2								4.4	7.2
NNE	.6	1.3	.8	.4								3.6	2.4
NE	.7	1.2	1.0	.3								2.3	2.2
ENE	.4	.8	.3	.2								1.7	0.1
E	.6	1.3	1.6	.8								4.3	7.5
ESE	.3	1.7	1.5	1.6	.1							4.5	6.8
SE	.4	1.7	1.6	2.0	.2							6.2	6.3
SSE	1.1	1.3	2.5	2.8	.2							7.8	9.1
S	1.2	2.2	2.5	3.0	.3							8.9	9.2
SSW	.8	.9	1.2	1.3	.2							4.3	9.7
SW	.3	1.1	1.5	1.0								3.9	6.8
WSW	.2	1.8	2.3	.4	.3							5.1	7.9
W	.4	1.7	1.8	2.3	1.2	.3						7.7	11.2
WNW	.5	1.8	2.0	2.4	.9	.1						7.7	10.1
NW	.5	3.1	3.2	4.1	1.0	.1						12.0	1.0
NNW	.5	1.5	3.5	1.8	.4							7.8	9.3
VARBL													
CALM												3.0	
	9.0	25.1	31.4	25.6	4.9	.5						10.2	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-90 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER 12-1400
CLASS HOURS LL & UT
CORRECTION

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	3.4	1.4	.1							1.1	3.0
NNE	.6	.3	.9	.2								1.0	3.1
NE	.5	1.8	1.1	.1								3.5	3.5
ENE	.3	.3	1.3	.3								2.7	7.4
E	.2	1.7	1.3	1.2	.1							4.5	7.0
ESE	.5	1.2	1.5	1.3	.1							4.6	8.7
SE	.3	1.2	2.2	2.4	.3							6.1	7.6
SSE	.5	1.7	2.5	1.6	.6							7.5	5.7
S	.8	1.6	3.1	3.9	.6							10.2	12.1
SSW		.6	1.2	1.5								3.3	12.7
SW	.7	1.1	.3	1.1	.1							3.4	8.7
WSW	.3	.8	.9	1.3	.4							3.7	12.1
W	.3	2.2	1.7	1.7	1.5	.3	.1					7.7	11.2
WNW	.2	1.8	2.4	2.7	1.3	.3	.1					7.3	12.2
NW	.4	2.2	3.4	4.6	.6							11.3	12.5
NNW	.5	2.2	3.9	7.0	.6	.1						10.3	7.6
VARBL												2.7	
CALM												100.0	7.4
	7.2	23.1	31.5	28.0	6.6	.8	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 470

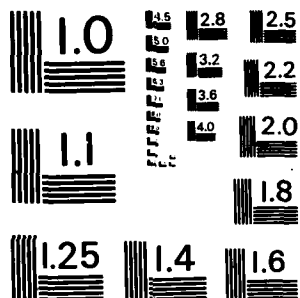
UNCLASSIFIED

MINDT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS 83/018 SBI-AD-E850 396 F/G 4/2

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24



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

727575 MINOT AFB ND 73-82 JUL
STATION STATION NAME YEARS MONTHS
1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

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	3.5	2.4	.2							9.6	8.5
NNE	.5	1.0	1.3	.3								3.1	6.9
NE	.2	1.0	1.0									2.2	6.2
ENE	.8	1.3	.2	.8								3.2	6.5
E	.4	1.4	1.9	1.2	.2							5.2	8.5
ESE	.1	1.2	2.0	1.6	.3							5.3	9.9
SE	.2	2.4	1.6	2.2								6.3	8.7
SSE	.6	1.5	1.7	1.8	.5	.1						6.3	9.9
S	.9	2.2	1.8	1.8	.4	.1						7.2	8.9
SSW	.3	.5	2.3	1.2	.5							4.8	10.0
SW		.4	1.1	1.1								2.6	9.9
WSW	.6	.8	.9	.8								3.2	7.3
W	.9	2.0	1.9	1.8	1.1	.4						8.2	10.6
WNW	.2	.9	2.0	2.5	.9	.2	.1					6.8	11.8
NW	.3	1.8	2.5	5.6	1.3	.8						12.3	12.7
NNW	.4	2.2	4.3	2.5	1.2	.1						10.6	10.1
VARBL													
CALM												3.7	
	7.5	22.8	30.1	27.4	6.7	1.7	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER 1800-2000
CLASS HOUR (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	1.5	3.3	3.3	2.3	.1							10.5	7.7
NNE	1.0	1.8	1.6	.5								5.0	6.7
NE	.6	1.2	1.1	.1								3.0	6.0
ENE	.8	.9	1.3	.5								3.4	6.8
E	.8	2.5	2.9	1.7	.1							8.0	7.9
ESE	.5	1.9	2.9	1.5	.3							7.2	8.5
SE	.9	2.7	1.7	.5	.2							6.0	6.9
SSE	1.5	1.3	1.5	1.2	.1							5.6	7.2
S	.8	2.5	1.4	.9	.2							5.7	7.2
SSW	.5	1.6	.9									3.0	5.4
SW	.1	.8	.4	.3								1.6	7.5
WSW	.8	.8	.5	.1		.1						2.3	6.2
W	.5	2.2	2.0	1.5	.2	.1						6.6	8.5
WNW	1.0	1.6	1.1	1.7	.4	.1						5.9	9.0
NW	1.3	2.5	3.3	2.7	.5	.1	.1					10.5	9.2
NNW	.3	2.6	3.8	2.8	.1							9.6	8.8
VARBL													
CALM												6.0	
	12.8	30.0	29.8	18.4	2.4	.4	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFS ND 73-82 JUL
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
2100-2100
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	2.4	2.9	2.2	.4								7.2	5.4
NNE	1.2	1.3	.8	.1								3.3	4.8
NE	.6	1.2	.2									2.0	4.2
ENE	1.2	2.0	.9	.2								4.3	5.2
E	1.1	2.6	2.4	1.0	.2	.2						7.4	7.6
ESE	1.0	3.1	2.8	.9								7.8	6.8
SE	2.7	2.7	1.6	.2								7.2	5.0
SSE	1.6	3.6	1.2	.1								6.5	5.0
S	1.5	2.7	.1	.5	.1							5.0	5.1
SSW	.6	1.8	.6									3.1	4.7
SW	1.2	2.2	.2									3.6	4.3
WSW	1.2	2.7	.8	.1		.1						4.8	5.3
W	3.4	3.8	.4	.1	.3							8.1	4.6
WNW	1.2	2.6	1.6	.6	.2							6.2	6.4
NW	1.6	2.4	1.3	.2	.3							5.8	6.0
NNW	.5	1.7	1.5	1.0	.1							4.8	7.6
VARBL													
CALM												12.2	
	23.0	39.2	18.5	5.5	1.3	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 JUL
STATION STATION NAME YEARS 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	1.3	2.5	2.8	1.1	.1							7.7	7.1
NNE	.7	1.0	1.0	.3								2.9	6.3
NE	.4	1.0	.7	.1								2.2	5.6
ENE	.7	1.2	.8	.3		.3						2.7	6.1
E	.6	1.8	1.7	.8	.1	.3						5.0	7.6
ESE	.6	1.7	2.2	1.1	.1							5.7	7.8
SE	1.3	2.4	1.7	1.1	.1							6.6	7.0
SSE	1.3	2.2	1.6	1.1	.2	.0						6.5	7.2
S	1.3	2.3	1.5	1.5	.3	.0						7.0	7.6
SSW	.7	1.1	1.0	.6	.1							3.6	7.2
SW	.6	1.3	.7	.5	.0							3.2	6.7
WSW	1.0	2.2	1.2	.5	.1	.0						5.0	6.4
W	2.2	3.6	1.8	1.3	.7	.1	.0					9.6	7.3
WNW	1.0	2.5	2.1	1.4	.5	.1	.0					7.6	8.4
NW	.8	2.6	2.4	2.5	.6	.1	.0					9.0	9.2
NNW	.6	2.0	2.6	1.5	.3	.3						7.1	8.6
VARBL													
CALM												8.5	
	15.0	31.4	25.7	15.8	3.1	.5	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-2400
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	1.4	2.6	1.2	.4	.1							5.7	5.6
NNE	.8	.5	.4	.2								1.9	5.5
NE	.5	.4	.2	.2								1.4	5.5
ENE	.4	1.6	.4									2.5	5.0
E	1.3	2.4	1.8	1.1								6.6	7.0
ESE	1.2	1.8	2.0	.5								5.6	6.4
SE	1.6	3.1	1.3	.8								6.8	5.9
SSE	2.2	2.4	1.2	.4	.1	.1						6.3	5.6
S	1.9	1.9	.6	.5	.1							5.2	5.4
SSW	1.2	1.3	.3			.1						2.9	5.0
SW	.8	1.0	.6	.3								2.7	6.0
WSW	1.8	3.9	1.6	.1								7.4	5.1
W	3.7	7.5	2.2	.3								13.7	4.9
WNW	1.0	3.4	1.8	1.2	.8							6.2	7.8
NW	1.0	2.2	1.3	.9	.2							5.5	7.2
NNW	1.4	2.4	1.5	.3								5.6	5.8
VARBL													
CALM												12.2	
	22.0	38.4	18.6	7.3	1.3	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-2500
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	2.6	2.0	1.6	.1								6.3	4.9
NNE	.8	.3	.2	.2								1.5	5.4
NE	.8	.9										1.6	3.2
ENE	.3	1.2	.2	.1								1.8	5.2
E	.9	2.0	1.2	.9	.1							5.1	7.0
ESE	.6	2.4	1.7	.6	.1							5.5	6.9
SE	1.7	2.6	1.8	.5								6.7	5.9
SSE	1.5	2.3	1.4	.3								5.5	5.4
S	1.6	1.8	.9	.2	.1							4.6	5.4
SSW	1.3	.9	.2	.2								2.6	4.8
SW	1.8	1.4	.4	.2								3.9	4.5
WSW	1.9	3.2	1.3	.1	.1							6.7	5.2
W	3.5	7.1	2.7	1.0								14.3	5.3
WNW	2.2	3.8	2.9	1.0	.2							10.0	6.5
NW	1.4	2.8	1.2	1.4	.8							7.5	6.0
NNW	.9	1.5	1.8	.4								4.6	6.6
VARBL													
CALM												11.8	
	23.8	36.1	19.6	7.3	1.4							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 727675 STATION NAME MINOT AFB ND YEARS 73-82 MONTHS AUG
CLASS ALL WEATHER HOURS (L.S.T.) 0600-2800
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	2.9	1.9	.6	.1							7.4	6.1
NNE	.6	.5	.3									1.5	4.4
NE	.4	.9	.1		.1							1.5	5.2
ENE	.5	.6	.2									1.4	4.1
E	.3	1.7	1.4	.9	.1	.1						4.5	8.3
ESE	1.1	2.9	2.3	.9								7.1	6.7
SE	1.2	2.6	2.2	1.0								6.9	6.6
SSE	1.1	1.8	1.6	.5								5.1	6.4
S	1.5	1.3	1.1	.1								4.0	5.3
SSW	.8	1.0	.6	.3								2.7	6.2
SW	.9	1.3	.3	.3								2.8	5.2
WSW	1.7	1.8	1.4	.3	.2							5.5	6.0
W	1.7	3.9	3.4	.9	.3	.1						10.3	7.2
WNW	1.7	2.0	3.7	1.6	.9	.2						10.1	8.8
NW	1.2	3.7	2.0	.9	.4							8.2	7.0
NNW	.9	2.6	2.6	1.1	.1	.1						7.3	7.4
VARBL													
CALM												13.8	
	17.4	31.5	25.2	9.4	2.3	.5						120.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 4UG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
5902-1170
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	1.4	3.0	2.7	1.7	.1							5.9	7.4
NNE	.5	1.9	1.6	.1								4.2	6.1
NE	.4	1.3	.6	.2								2.6	6.0
ENE	.4	1.1	.4		.2							2.2	6.6
E	.5	1.6	2.2	1.1								5.4	7.9
ESE	.3	1.4	2.7	1.8	.3							6.6	9.4
SE	1.2	1.7	2.8	2.4	.3							8.4	8.7
SSE	.6	1.2	1.1	2.4	.1							5.4	9.4
S	.4	1.7	2.6	1.1	.2							6.3	8.3
SSW	1.0	.8	1.0	.8								3.4	6.9
SW	1.1	.6	.9	.2								2.8	5.8
WSW	.6	.8	1.0	.8	.4							3.6	8.9
W	1.1	1.1	3.2	1.9	.4	.2	.1					8.1	9.8
WNW	.5	1.9	2.8	2.4	.6	.2						8.5	10.0
NW	.9	1.6	3.2	3.0	1.0	.4						10.1	10.6
NNW	.9	1.7	2.7	2.6	.3	.1						8.3	9.0
VARBL													
CALM												5.6	
	11.9	23.5	31.4	22.4	4.1	1.0	.1					100.3	8.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727575
STATION

MINOT AFB ND

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	1.1	2.7	2.7	1.8	.1	.1						8.5	8.1
NNE	.4	1.1	1.9	.3	.1							3.9	7.6
NE	.6	1.2	.8	.3		.1						3.0	6.9
ENE	.3	1.2	.5	.3		.1						2.5	7.1
E	.9	1.5	2.7	1.0	.3							6.3	8.3
ESE	.6	1.3	1.4	2.5	.2							6.3	9.9
SE	1.0	1.3	1.9	2.3	.6							7.1	9.5
SSE	.5	.9	2.2	2.3	.4	.1						6.3	10.4
S	.5	1.6	2.4	1.7	.3							6.6	9.2
SSW	.3	.6	1.1	1.2	.2							3.4	9.9
SW	.5	.8	1.0	.2	.1							2.6	6.9
WSW	.3	1.7	1.3	.8	.2							4.3	8.0
W	.1	1.1	2.4	1.7	.4	.2						5.9	10.5
WNW	.3	1.1	2.0	3.1	1.2	.9	.1					8.6	12.8
NW	.6	1.7	3.1	4.0	1.3	.3	.1					11.2	11.4
NNW	.6	2.6	3.4	1.6	1.0							9.2	9.1
VARBL													
CALM												4.5	
	8.9	22.3	30.8	25.1	6.6	1.7	.2					100.3	9.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 AUG
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
15J0-1700
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	.8	2.5	3.1	2.6	.1							9.2	6.7
NNE	.9	1.6	1.1	.3	.1							4.0	6.5
NE	.5	1.2	1.6	.2								3.5	6.6
ENE	.5	.6	1.5	.8								3.5	7.6
E	.9	1.4	2.0	1.1	.3							5.7	8.2
ESE	.3	1.2	1.3	2.2	.1							5.1	9.7
SE	.6	.9	1.9	1.7	.5	.1						5.8	9.9
SSE	.6	.9	2.5	1.5	.5	.3						6.3	10.4
S	.6	1.7	1.9	1.8	.3							6.5	8.8
SSW	.2	1.0	.9	1.1	.1							3.2	8.9
SW	.4	1.1	.9	1.1	.2							3.7	8.8
WSW	.3	1.0	1.4	1.1								3.8	8.5
W	.5	.6	2.7	1.5	1.0	.2						6.6	10.9
WNW	.5	1.4	3.5	3.0	.5	.5	.2					9.8	11.2
NW	.8	1.7	2.3	4.0	1.0	.3	.1					10.1	11.4
NNW	.5	2.2	2.6	3.1	.3	.2	.1					9.0	10.2
VARBL													
CALM												4.4	
	9.1	21.0	31.2	27.0	5.2	1.7	.4					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82
STATION STATION NAME CLASS
ALL WEATHER
CONDITION
AVG
1800-2200
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.5	2.6	3.0	1.7	.1							9.9	6.8
NNE	1.1	2.3	1.6	.6								5.6	6.3
NE	1.6	1.8	1.0	.3		.1						4.8	5.9
ENE	1.0	1.4	1.0	.3								3.7	5.9
E	1.0	2.9	2.4	2.3	.1							8.6	7.8
ESE	.5	2.7	2.5	1.0								6.7	7.2
SE	.9	1.8	2.4	.6	.1	.1						5.9	7.4
SSE	1.2	1.3	1.6	1.7	.1	.2						6.1	8.5
S	1.0	2.7	1.7	.8	.1							6.2	6.9
SSW	.9	1.3	.6									2.8	5.1
SW	.1	1.5	.8	.1								2.5	6.4
WSW	.3	.6	.9	.4								2.3	7.5
W	1.4	1.4	2.3	1.5	.2							6.8	8.0
WNW	.4	2.0	1.6	1.5	.3	.2						6.1	9.1
NW	.6	2.7	2.9	2.3	.1	.1						8.7	8.5
NNW	.6	1.9	1.5	1.8	.4	.4						6.8	9.9
VARBL													
CALM												6.6	
	15.1	31.0	27.6	17.0	1.6	1.2						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINGT AFB ND 73-82 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 2100-2300
CLASS HOURS (LST)
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	1.5	2.7	1.7	.4	.1	.1		.1				6.7	5.6
NNE	2.5	1.6	.5	.2								4.4	4.5
NE	.9	1.4	.5	.1	.1	.1						3.1	6.2
ENE	1.2	2.4	.5	.3								4.4	5.3
E	1.3	2.8	2.4	1.2								7.5	6.7
ESE	.9	3.4	1.6	1.2								7.1	6.7
SE	.8	3.2	1.8	.5								7.4	5.7
SSE	1.7	2.6	1.7	.8	.1							6.9	6.1
S	2.5	2.5	.5	.4								5.1	4.8
SSW	.9	1.1	.4	.1								2.5	5.7
SW	1.3	2.2	.2	.1								3.4	4.6
WSW	.4	2.9	.6	.3	.1							4.4	5.7
W	2.9	5.7	1.3	1.1	.1							11.1	5.5
WNW	1.2	3.5	1.2	.2	.3							6.5	6.2
NW	.5	2.8	1.5	.9								5.7	6.9
NNW	.6	1.7	1.4	.3								4.1	6.3
VARBL													
CALM												9.7	
	23.9	42.3	18.1	8.2	.9	.2		.1				170.0	5.3

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)

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & 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	2.6	2.2	1.2	.1	.0		.0				7.3	6.9
NNE	.9	1.2	1.0	.3	.0							3.4	6.2
NE	.7	1.1	.6	.2	.0	.0						2.7	5.9
ENE	.6	1.3	.6	.2	.0	.0						2.7	6.0
E	.9	2.7	2.0	1.2	.1	.0						6.2	7.6
ESE	.7	2.1	1.9	1.3	.1	.0						6.2	7.8
SE	1.3	2.2	2.0	1.2	.2	.0						6.9	7.5
SSE	1.2	1.7	1.7	1.2	.2	.1						6.0	7.8
S	1.2	1.9	1.5	.8	.1							5.5	7.2
SSW	.8	1.0	.6	.5	.0	.0						2.9	6.6
SW	.8	1.2	.6	.3	.0							3.0	6.0
WSW	.9	2.7	1.2	.5	.1							4.7	6.5
W	1.9	3.5	2.5	1.2	.3	.1	.0					9.6	7.1
WNW	1.0	2.4	2.4	1.7	.6	.2	.0					8.5	9.1
NW	.9	2.4	2.2	2.2	.6	.1	.0					8.4	9.3
NNW	.8	2.1	2.2	1.4	.3	.1	.0					6.9	6.4
VARBL													
CALM												9.6	
	16.1	30.7	25.3	15.4	2.9	.8	.1	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINCT AFB ND 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-2300
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	.3	1.9	2.2	.6	.2							5.0	7.8
NNE	.2	.2	1.2	.4								2.1	7.9
NE	.2	.2	.9	.1								1.4	7.4
ENE	.1	.7	.3		.1		.2					1.4	12.5
E	.1	1.2	1.9	.8								4.0	6.4
ESE	.9	2.4	1.8	1.1								6.2	7.1
SE	.9	2.9	.9	.7								5.3	5.8
SSE	1.2	3.0	1.1	.2								5.6	5.3
S	2.0	4.1	1.9	.4								8.4	5.6
SSW	.6	2.4	.8	.4								4.2	5.9
SW	.9	2.1	1.1	.2		.1						4.4	6.2
WSW	.7	3.4	1.9	.4								6.4	6.3
W	2.6	7.2	3.2	.9								13.9	5.7
WNW	1.1	4.4	2.2	1.0	.3	.1						9.2	7.2
NW	.8	2.4	2.8	1.3	.6	.1						8.0	8.7
NNW	.4	1.4	1.3	1.1	.1							4.4	8.2
VARBL													
CALM												9.8	
	13.0	40.2	25.3	9.8	1.3	.3	.2					170.0	6.1

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)

727675 MINOT AFB ND

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-1500

MOUSE (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	1.2	2.6	.2	.3							5.2	7.6
NNE	.1	.3	1.3	.6								2.3	3.8
NE		.3	.3	.4								1.1	6.9
ENE	.4	.4	.2	.1		.1						1.3	6.9
E	.6	1.4	1.7	.8	.2		.2					4.7	8.8
ESE	1.0	2.2	1.8	.6								5.6	6.3
SE	1.2	2.6	1.2	.2								5.2	5.7
SSE	1.2	2.8	1.3	.2								5.6	5.5
S	1.4	2.0	1.4	.4								5.3	5.6
SSW	1.0	1.3	1.3	.7								4.3	6.5
SW	1.1	2.3	2.2	.9								6.6	6.6
WSW	2.0	3.1	2.3	.6								8.3	5.6
W	2.1	6.0	4.0	.6	.1							12.8	6.1
WNW	1.9	1.8	2.2	1.1	.7							7.7	7.7
NW	1.0	3.3	1.7	1.2	.4	.6						6.2	8.7
NNW	.4	2.2	1.8	1.1	.8							6.3	8.9
VARBL													
CALM												9.8	
	16.2	33.4	27.4	9.7	2.6	.7	.2					100.2	6.3

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

SEP
MONTH

ALL WEATHER

CLASS

3630-3830
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	1.8	3.0	1.2								7.0	7.6
NNE	.3	.3	.9	.6								2.1	8.2
NE	.2	.4	.8	.2								1.7	7.3
ENE	.2	1.1	.8									2.1	6.0
E	1.0	1.8	1.8	.6	.1	.1						5.3	7.4
ESE	.6	1.2	2.2	.8								4.8	7.6
SE	1.8	1.6	1.9	.7								5.9	6.0
SSE	1.3	2.6	.7	.1								4.7	4.8
S	1.7	1.6	1.2	.2								4.7	5.4
SSW	.7	.8	.9	.9								3.2	7.5
SW	1.1	2.2	.4	.2	.1							4.1	5.4
WSW	1.1	2.9	2.1	.3	.1							6.6	6.2
W	2.6	3.6	3.4	1.4	.1							11.1	6.6
WNW	1.0	3.7	3.7	1.8	.9	.2						11.2	8.8
NW	1.2	2.7	3.1	1.8	.7	.3						9.8	8.8
NNW	.1	.9	1.7	1.1	.6							4.3	10.1
VARBL													
CALM												11.4	
	15.9	29.0	28.6	11.9	2.6	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	2.9	2.0	.2							4.7	7.9
NNE	.4	.9	1.4	1.0								3.8	8.0
NE	.3	.3	.8	.3	.1							1.9	8.1
ENE	.2	.6	.7	.9	.2							2.6	9.6
E	.2	.6	1.0	1.1	.2							3.1	9.9
ESE	.7	1.4	1.2	.8	.6							4.7	8.0
SE	.4	1.7	1.8	2.2	.1							6.2	8.9
SSE	.4	1.4	2.0	.7								4.6	7.6
S	.6	1.4	2.7	1.2	.2							6.1	8.3
SSW	.4	1.3	1.8	.7								4.2	7.3
SW	.6	.8	2.0	.8	.1							4.2	8.0
WSW	.2	1.0	2.6	.9	.3							5.0	8.9
W	.8	2.0	4.2	3.6	.8	.1						11.4	9.9
WNW	.9	1.0	1.9	2.0	1.7	.3						7.8	11.8
NW	.1	1.4	3.4	3.1	.9	1.0	.1					10.1	12.4
NNW	.2	1.9	3.9	3.4	.8							10.2	10.1
VARBL													
CALM												5.4	
	8.0	19.9	34.2	24.7	6.2	1.4	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
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	.7	1.7	3.1	3.6	.2							9.2	9.6
NNE	.6	.9	1.4	1.0								3.9	8.2
NE	.3	1.3	.7	.6								2.9	7.2
ENE	.9	.7	.3	.8		.2						2.9	7.8
E	1.1	1.3	.2	1.3	.4							4.4	8.6
ESE	.4	.3	.4	.8	.1							2.1	9.2
SE	.4	1.0	1.8	2.0	.4							5.7	10.4
SSE	.1	.8	1.0	1.7	.1	.1						3.8	10.8
S	.2	1.3	2.6	3.2	.7							8.0	10.7
SSW		1.2	1.3	.7	.1							3.3	8.9
SW		1.0	2.2	.6								3.8	8.2
WSW	.3	1.2	2.2	.9								4.7	8.0
W	.3	1.9	2.3	3.4	1.0	.4	.1					9.6	11.4
WNW	.4	.7	2.0	4.8	1.6	1.0	.1	.1				10.7	14.1
NW	.7	1.6	2.9	4.2	1.9	.7	.1					12.0	12.3
NNW	.9	.9	2.6	3.0	.9	.8						9.0	11.6
VARBL													
CALM												4.1	
	7.4	17.8	27.1	32.4	7.4	3.2	.3	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 727675 STATION NAME MINOT AFB ND YEARS 73-82 MONTH SEP
CLASS ALL WEATHER RANGE 1500-1700
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	1.8	2.3	3.7	.2							8.4	9.8
NNE	.7	.9	1.8	.8	.2							4.3	8.3
NE	.4	.4	.8	.3								2.0	7.1
ENE	.8	.8	1.1	.9		.3						3.9	8.8
E	.7	1.4	.8	1.4	.1	.1						4.6	9.0
ESE	.6	.6	1.1	.6	.2	.1						3.1	8.9
SE	.6	.4	.9	.8	.3	.1						3.1	9.9
SSE	.3	.4	1.2	1.9	.1							4.0	10.1
S	.3	1.3	2.6	3.0	.7							7.9	10.3
SSW	.4	.9	1.9	1.4	.1							4.8	9.0
SW	.2	1.0	1.7	.6								3.4	8.4
WSW	.4	.8	1.2	.6	.1							3.1	8.1
W	1.0	1.3	4.1	4.1	1.0		.1	.1				11.8	10.6
WNW	.4	.8	2.2	5.0	.8	.8	.2					10.2	12.9
NW	.6	1.2	3.1	5.3	2.6	.9						13.7	13.1
NNW	.8	1.1	2.8	3.7	1.0	.1						9.4	11.1
VARBL													
CALM												2.2	
	8.7	15.2	29.6	34.0	7.4	2.4	.3	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 SEP
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.4	2.0	1.6	.2							8.8	7.1
NNE	.4	.8	1.1	1.0	.2							3.5	8.7
NE	.9	1.1	.9	.6								3.4	6.1
ENE	.9	.9	1.2	.7	.2	.1						4.0	8.1
E	.7	1.7	3.1	1.0	.2	.1						6.8	8.1
ESE	.6	1.8	.8	.7	.2							4.0	7.4
SE	.8	2.9	.8	.4		.1						5.0	6.1
SSE	1.4	2.9	.9	.8								6.0	6.1
S	1.8	2.9	1.8	.6								6.9	5.8
SSW	.8	1.1	.3	.1								2.3	4.8
SW	.8	1.9	.6	.1								3.3	4.8
WSW	1.1	1.7	1.1	.2								4.1	5.6
W	1.3	2.7	.9	1.1			.1	.1				6.2	7.3
WNW	.8	3.2	2.1	2.6	.6	.7						9.9	9.7
NW	1.2	2.9	2.7	2.7	1.1	.1	.1					10.8	9.4
NNW	.7	2.6	2.7	1.4	.2							7.6	8.3
VARBL													
CALM												7.3	
	15.7	34.2	22.9	15.4	3.0	1.1	.2	.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 SEP
STATION NAME YEARS MONTH
ALL WEATHER 2100-2300
CLASS 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	2.4	1.6	1.2	.2		.1					7.0	7.3
NNE	.7	1.1	.8	.3	.1							3.0	6.7
NE	.2	.2	.4	.8	.1							1.8	9.8
ENE	.8	.6	1.6	.6								3.4	7.4
E	.4	1.3	1.6	1.1								4.4	8.2
ESE	.2	1.3	2.2	1.1								4.9	8.0
SE	.4	3.3	1.7	.4								5.9	6.4
SSE	1.2	4.3	.6									6.1	4.6
S	2.4	5.3	1.1	.3								8.9	4.8
SSW	.8	3.2	.7	.1								4.8	5.0
SW	1.0	2.3	.4									3.8	4.6
WSW	1.0	2.9	.7	.1								4.7	5.1
W	3.1	5.8	2.2	.4	.1							11.7	5.4
WNW	1.7	4.3	2.1	1.0	.3	.6						10.3	7.6
NW	.3	3.4	1.3	1.3	.8	.2						7.4	9.3
NNW	.2	1.4	1.2	.6								3.4	7.4
VARBL													
CALM												8.8	
	16.0	43.1	20.1	9.4	1.7	.8	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 SEP
STATION NAME YEARS MONTHS
ALL WEATHER CLASS ALL
CONDITION 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	.9	2.7	2.4	1.7	.2		.7					7.4	8.2
NNE	.4	.7	1.2	.7	.1							3.1	6.1
NE	.3	.6	.7	.4	.0							2.0	7.5
ENE	.5	.7	.8	.5	.1	.1	.0					2.7	8.1
E	.6	1.3	1.5	1.0	.2	.0	.0					4.7	8.5
ESE	.6	1.4	1.4	.8	.1	.7						4.4	7.6
SE	.8	2.7	1.4	.9	.1	.0						5.3	7.3
SSE	.9	2.3	1.1	.7	.0	.0						5.0	6.5
S	1.3	2.4	1.9	1.2	.2							7.0	7.1
SSW	.6	1.5	1.1	.6	.7							3.9	6.9
SW	.7	1.7	1.3	.4	.0	.0						4.2	6.5
WSW	.9	2.1	1.8	.5	.1							5.3	6.5
W	1.7	3.8	3.1	1.9	.4	.1	.0	.0				11.1	7.8
WNW	1.0	2.5	2.3	2.4	.8	.5	.7	.7				9.6	10.0
NW	.7	2.4	2.6	2.6	1.1	.5	.0					10.0	10.6
NNW	.5	1.6	2.2	1.9	.5	.1						6.8	9.8
VARBL													
CALM												7.4	
	12.6	29.1	26.9	18.4	4.0	1.3	.2	.0				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 7222

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727675 MINOT AFB ND 73-82 367
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-2400
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	1.2	1.9	2.5	1.2	.2							7.1	7.6
NNE		.3	.6	.4	.3							1.7	12.7
NE	.5	.1	.2	.1								1.3	4.7
ENE	.2	.2	.5	.1								1.1	6.5
E	.6	.4	.4	.4								1.9	6.8
ESE	.9	2.2	.5	.4								4.0	5.9
SE	1.3	2.2	.5	.4								4.1	5.7
SSE	.4	2.3	1.2	.3	.1							4.3	6.8
S	1.7	1.9	1.5	1.0	.2							6.3	6.6
SSW	1.2	1.1	.9	1.7	.5	.1						5.5	9.4
SW	.9	1.7	2.0	.8	.2							5.6	7.2
WSW	1.0	2.6	2.4	.5		.2						6.7	7.0
W	3.1	5.2	3.2	1.9	.3	.2						14.3	6.9
WNW	.2	4.2	5.3	2.3	.3							12.3	6.3
NW	.4	3.1	3.1	2.3	1.0	.3						10.2	9.7
NNW	.1	1.2	2.2	1.7	.5	.1	.1					5.9	10.7
VARBL													
CALM												8.5	
	13.4	30.5	27.1	15.6	3.8	1.0	.1					100.0	7.1

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)

727675
STATION

MINOT AFB ND
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	.9	2.3	1.7	1.6	.5							7.0	8.5
NNE	.2	.2	.2	.1	.1							.9	7.8
NE	.4	.3	.1	.2								1.1	5.9
ENE	.2	.2	.5	.4								1.4	8.6
E	.5	1.2	.5	.1								2.4	5.2
ESE	.6	2.3	1.0	.8								4.6	6.7
SE	.4	1.3	1.2									2.6	5.7
SSE	.3	2.3	.4	.4								3.4	6.2
S	1.6	1.9	1.5	.6								5.7	6.0
SSW	.3	1.7	.9	1.1	.2	.1						4.3	8.7
SW	.5	1.4	1.7	1.3								4.9	8.3
WSW	1.1	2.2	2.7	.2								6.0	6.2
W	2.7	5.3	5.4	2.5	.5	.1						16.5	7.3
WNW	1.0	4.3	4.7	2.4	.5	.4	.1					13.4	9.0
NW	.9	2.4	3.1	3.3	.3	.3	.1					10.4	10.1
NNW		1.2	1.3	1.7	.4	.1						4.7	10.7
VARBL													
CALM												10.6	
	11.7	29.9	27.0	16.8	2.7	1.1	.2					100.0	7.1

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)

727675 MINCT AFB ND 73-84 967
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CORDITION
HOURLY (LST)

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	1.8	1.8	2.3	.1							7.2	8.5
NNE	.4	.3	.4	.3								1.5	6.9
NE	.4	.2	.5	.3								1.5	7.4
ENE	.2	.3	.3	.2								1.1	6.8
E	.3	.6	1.3	.8								3.2	6.5
ESE	.6	1.0	1.0	.6								3.2	7.2
SE	.3	2.5	1.7									4.5	6.1
SSE	1.0	1.6	1.2	.2								4.0	5.6
S	1.5	2.0	1.5	.3								4.8	6.1
SSW	.9	1.3	1.1	.6								3.9	6.6
SW	.9	1.2	1.3	.8	.1							4.2	6.9
WSW	.4	2.4	3.0	1.4	.1							7.3	7.9
W	1.9	4.1	5.5	3.7	.8							13.3	8.1
WNW	.9	4.2	4.1	2.8	1.7	.3	.5					13.4	10.0
NW	.5	2.3	3.2	3.4	.4	.3						11.2	10.0
NNW	.3	1.4	1.9	1.3	.4							5.4	9.2
VARBL													
CALM												9.4	
	11.1	27.2	29.9	18.4	2.9	.6	.5					170.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 247
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	1.3	1.8	2.7	.5							7.4	9.6
NNE	.4	.8	1.0	.9	.1							3.1	8.7
NE	.3	.2	.1	.2								.9	6.5
ENE	.5	.2	.2	.2								1.2	5.7
E	.3	.8	1.7	1.5								4.3	9.2
ESE	.3	.6	1.1	1.6								3.7	9.4
SE	.3	.3	1.7	1.3	.1							3.8	9.3
SSE	.4	2.7	1.5	.6								4.6	7.0
S	.5	1.1	1.6	2.4	.6							6.2	10.7
SSW	.5	1.2	2.2	.4	.3	.1						4.7	8.7
SW		1.0	1.5	1.2		.1						3.8	9.6
WSW	.9	1.3	2.3	2.3								6.7	8.7
W	.6	.9	4.7	4.0	.8	.3	.3					11.6	11.4
WNW	.6	.9	2.2	3.1	2.3	1.3	.6	.1				11.1	14.9
NW	.1	1.8	3.2	4.6	2.2	.8	.1					12.8	12.8
NNW	.4	2.0	3.2	3.1	.8	.2						9.3	10.1
VARBL													
CALM												4.4	
	7.5	16.3	30.0	30.1	7.6	2.8	1.1	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB MO 73-82 201
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOURS (L & 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	1.3	2.3	2.5	.9							7.1	11.0
NNE	.4	1.0	.4	.9								2.7	7.8
NE	.1	.6	.5	.2	.2							1.7	6.3
ENE	.6	.5	.2	.6								2.0	7.7
E	.8	.6	1.0	.9	.3	.1						3.7	9.3
ESE	.3	.6	1.3	2.0	.2							4.5	13.7
SE	.1	.6	1.7	1.2	.2	.2						4.1	13.4
SSE	.3	.8	1.2	1.8	.4							4.5	13.6
S		.9	3.1	1.8	1.0	.4						7.2	11.9
SSW	.5	.4	1.2	1.4	.3							3.9	9.7
SW	.1	.9	1.4	1.3	.8	.1						4.5	11.4
WSW	.1	1.2	2.0	2.5	.3							6.1	15.4
W	.2	.9	2.4	4.2	.5	.6	.2					9.0	12.6
WNW		.8	2.4	3.2	1.7	1.4	.4	.3				15.2	15.6
NW	.2	.5	3.2	4.0	2.7	1.8	.2					12.7	14.9
NNW		2.4	2.7	4.9	2.3	.6	.2					13.1	12.7
VARBL													
CALM												2.9	
	4.1	14.0	27.0	33.4	11.8	5.4	1.1	.3				100.0	11.7

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)

727575	MINOT AFB ND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1500-1700
CLASS			HOURLY (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	1.5	3.5	3.1	.9	.1						9.6	12.5
NNE	1.1	.9	1.1	.8								3.8	7.1
NE	.3	.9	.3	.8	.1							2.4	8.6
ENE	.1	.4	.2	.2	.2	.1						1.3	10.7
E	.5	.6	.8	1.0	.4							3.3	9.4
ESE		.6	2.5	1.6								4.7	9.5
SE	.1	.6	.8	1.2	.1	.2						3.0	11.5
SSE	.2	1.6	2.3	1.1	.3							5.5	8.5
S	.3	.9	2.2	3.1	1.1	.3						7.8	11.9
SSW	.2	.6	1.5	.6	.1							3.1	8.9
SW	.1	.9	1.8	1.3	.3							4.4	10.0
WSW	.2	1.2	1.6	1.4	.2							4.6	9.5
W		1.4	2.5	3.7	.6	.6						8.8	11.7
WNW	.3	1.3	1.6	4.5	1.2	.9	.3	.2				10.3	13.8
NW	.1	1.4	3.3	5.1	2.8	1.6						14.3	13.8
NNW	.1	1.4	2.4	2.9	1.1	1.3	.2					9.4	13.5
VARBL													
CALM												3.7	
	4.2	16.2	28.3	32.3	9.5	5.2	.5	.2				100.3	11.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-92 OCT
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L & Y)

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	2.5	3.0	1.5	.8	.4	.1					9.5	9.3
NNE	.8	1.5	.9	.4	.1							3.7	6.3
NE	1.0	.3	.3	.6	.3							2.5	8.3
ENE	.9	.2	.2									1.3	3.5
E	.6	1.2	1.4	.8	.1							4.1	7.4
ESE	.4	2.2	1.6	.9								5.1	7.2
SE	1.1	2.2	1.7	.4		.1						5.5	6.5
SSE	.6	2.0	1.3	.6								4.6	6.6
S	.3	3.1	1.9	.9	.1							6.3	7.2
SSW	.5	1.5	.6	.9								3.5	7.2
SW	.1	1.9	1.2	.2								3.4	6.4
WSW	1.2	2.7	1.7									5.6	5.3
W	1.8	4.1	2.7	.6								9.2	6.3
WNW	.5	4.5	3.3	2.4	1.0	.1		.2				12.2	9.3
NW	.9	3.9	3.2	2.2	.8	.2	.2					11.3	9.2
NNW	.4	1.3	1.3	1.6	.6							5.3	10.0
VARBL													
CALM												7.3	
	12.4	35.1	26.5	14.0	3.8	.9	.3	.2				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINGT AFB ND 73-82 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

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	2.2	1.7	1.0							7.2	9.4
NNE	.4	1.4	.9	.9	.1							3.7	8.0
NE	.4	.4	.2	.1	.1							1.3	6.3
ENE	1.0	.2	.1	.1								1.4	3.6
E	.5	1.1	1.2	.3		.1						3.2	7.1
ESE	.6	1.2	.5	.4	.1							2.9	6.7
SE	.6	2.2	1.4	.8								4.9	6.7
SSE	1.3	2.2	1.3	.8								5.5	6.3
S	1.4	2.5	1.3	1.3								6.5	6.9
SSW	.6	2.7	.3	1.0	.5	.1						4.6	8.6
SW	.8	1.4	1.3	1.0	.1							4.5	7.4
WSW	1.1	2.6	1.3	.8								5.7	6.2
W	1.5	4.9	4.0	1.4	.2	.1						12.2	7.2
WNW	1.0	4.4	5.2	2.7	.3	.1						13.7	6.3
NW	.5	2.3	2.2	3.1	.3	.1	.1					8.6	9.7
NNW	.3	1.1	2.7	1.7	.4	.1		.1				6.5	10.2
VARBL													
CALM												7.7	
	12.9	31.4	25.9	18.0	3.2	.6	.1	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 2CT
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
ALL
MOORE (L.S.Y.)

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	2.4	2.1	.6	.1	.2					7.7	9.4
NNE	.5	.8	.7	.6	.1							2.6	7.8
NE	.4	.4	.3	.3	.1							1.5	7.4
ENE	.5	.3	.3	.2	.2	.7						1.3	6.7
E	.5	.8	1.0	.7	.1	.2						3.2	8.1
ESE	.5	1.3	1.2	1.0	.2							4.1	8.2
SE	.5	1.4	1.3	.7	.1	.1						4.1	7.6
SSE	.6	1.8	1.3	.7	.1							4.6	7.3
S	.9	1.8	1.8	1.4	.4	.1						6.4	8.7
SSW	.6	1.2	1.1	1.0	.3	.1						4.2	8.5
SW	.4	1.3	1.5	1.0	.2	.2						4.4	8.4
WSW	.7	2.2	2.1	1.1	.1	.2						6.1	7.6
W	1.5	3.3	3.8	2.7	.5	.3	.1					12.1	8.6
WNW	.6	3.1	3.6	2.9	1.0	.6	.3	.1				12.1	10.9
NW	.5	2.2	3.1	3.5	1.3	.7	.1					11.3	11.5
NNW	.2	1.5	2.2	2.4	.8	.3	.1	.2				7.5	11.2
VARBL													
CALM												6.8	
	9.7	25.1	27.7	22.3	5.7	2.2	.5	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 NOV
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
0000-2200
HOURS (LST)

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	1.3	1.3	1.3								4.6	6.3
NNE	.3	1.1	.7	.7	.2							3.3	6.5
NE		.2	.4	.1								.3	6.1
ENE	.2		.2	.4								.9	9.8
E	.2	.4	.6	.6								1.3	8.3
ESE	.3	.9	1.0	.6		.1						2.9	8.2
SE	.8	1.8	1.7	.8								5.5	6.9
SSE	1.0	2.2	1.0	.2								4.4	5.4
S	1.7	2.6	.6	.9	.1							5.8	6.1
SSW	1.7	.8	1.0	.1								3.6	5.1
SW	1.0	1.3	1.9	.1								4.3	6.0
WSW	.8	3.2	3.0	1.0	.1							8.1	7.1
W	1.3	4.4	4.8	2.4		.3	.1					13.4	8.2
WNW	1.1	4.4	4.0	3.0	.6	.1	.1					13.3	8.6
NW	1.2	2.7	3.4	4.3	1.2	.4						13.3	10.4
NNW	.3	.9	2.9	2.0	.7							6.8	10.0
VARBL													
CALM												8.5	
	12.6	28.3	28.4	18.6	2.9	1.0	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 400
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1300-1500
HOURS (LST)

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	1.3	.1	.1						5.2	6.4
NNE	.2	.8	1.0	1.0		.1						3.1	9.2
NE		.6	.4	.3								1.3	8.2
ENE			.2	.1								.3	8.7
E	.1	.2	.6	.3								1.2	8.8
ESE	.3	1.7	1.9	.1								3.3	6.9
SE	.7	1.6	1.4	1.0								4.7	7.1
SSE	1.3	1.8	1.1	1.1								5.3	6.5
S	.7	1.8	.9	.3		.1						3.8	6.1
SSW	.3	1.8	.4	.2		.2						3.3	6.8
SW	.8	1.6	1.2	.4								4.2	6.4
WSW	1.1	2.7	2.6	1.0								7.3	6.6
W	1.9	4.2	5.3	2.1	.3	.1						14.2	7.6
WNW	1.3	3.0	4.9	3.8	1.7	.3	.3					14.7	10.0
NW	1.3	2.7	4.0	4.7	1.1	.2	.2					14.2	10.4
NNW	.2	1.3	1.8	2.1	.8							5.9	10.7
VARBL													
CALM												7.8	
	10.7	26.2	30.2	20.0	3.3	1.2	.6					100.0	7.8

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)

727575 MINOT AFB ND 73-82 46Y
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1600-2800
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	.2	1.2	2.1	1.2	.2	.2	.1					5.3	9.9
NNE	.3	.7	1.0	.8								2.8	8.2
NE	.2	.7	.3									1.2	5.3
ENE		.3	.4									.8	6.4
E	.2	.8	.4	.4								1.9	7.6
ESE	.3	.4	1.0	.4								2.2	7.7
SE	.2	1.3	1.8	.8								4.1	7.7
SSE	.7	2.7	1.3	1.0								5.7	6.9
S	1.2	.9	.4	.3								2.9	4.9
SSW	.9	1.7	1.3	.3	.1	.1						4.4	6.9
SW	.7	2.1	.8	.1	.1							3.8	5.7
WSW	.8	2.8	1.4	.4								5.4	6.1
W	1.7	4.8	6.8	3.0	.1	.1						16.4	7.7
WNW	.8	3.7	4.3	3.3	1.2	.9	.2					13.8	10.7
NW	.3	3.4	4.6	4.8	.4	.6						14.1	10.2
NNW	.2	1.7	1.7	2.2	.4	.1						6.3	10.0
VARBL													
CALM												8.8	
	8.8	28.4	29.8	19.2	2.7	2.0	.3					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 444
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (LST)

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	2.2	1.9	.1		.1					6.2	9.2
NNE	.6	.6	.6	.4								2.1	6.9
NE	.4	.8	.4	.1								1.8	6.3
ENE	.2	.1	.1	.2								.7	7.3
E	.4	.8	.9	.4								2.6	7.4
ESE	.3	.7	1.0	.1	.1							2.2	7.3
SE	.2	1.0	1.3	.9	.2							3.7	9.1
SSE	.2	1.1	1.4	.8	.7							4.2	9.7
S	.8	1.4	1.3	1.2	.3							5.1	8.1
SSW	.8	1.3	1.2	.7	.1							4.1	7.4
SW	.1	1.1	1.2	.9	.1							3.4	8.5
WSW	1.7	2.2	2.1	1.0	.3	.1						7.4	7.3
W	.6	3.1	4.7	3.2	.2	.1	.1					12.0	9.0
WNW	.9	2.0	2.9	4.7	1.7	1.2	.2					13.6	12.4
NW	.4	1.8	3.7	6.1	1.3	.7						14.0	11.8
NNW	.2	1.1	3.2	3.7	.6	.3	.1					9.2	11.5
VARBL													
CALM												7.7	
	8.7	20.2	28.3	26.3	5.8	2.4	.6					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

72757E
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV

MONTH

ALL WEATHER

CLASS

1200-1400

HOURE (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	1.3	2.1	2.7	.4							7.1	9.9
NNE	.4	.4	1.0	.3	.1							2.3	7.6
NE	.1	.3	.4									.9	6.4
ENE	.2	.3	.4	.1								1.1	5.5
E	.3	.7	.8	.6	.1							2.4	8.5
ESE	.1	.3	.7	.8								1.7	9.6
SE	.4	1.2	.9	1.0								3.5	8.2
SSE	.3	.9	1.9	1.6	.3	.2						5.2	10.2
S	.4	1.0	1.3	1.2	.2	.2						4.4	9.8
SSW	.1	.7	1.9	1.6	.2							4.4	10.2
SW	.1	.9	2.3	1.7	.1							5.1	9.8
WSW	.3	1.0	2.2	1.6	.2							5.3	9.3
W	1.3	3.6	3.7	3.1	.6	.3	.2					12.8	9.4
WNW	.3	1.3	3.2	4.0	2.0	1.0	.7					12.6	13.6
NW	.4	1.2	4.6	5.1	3.0	.7	.1					15.1	12.7
NNW	.3	1.7	2.8	4.3	.7	.3	.2					9.7	12.0
VARBL													
CALM												6.0	
	6.0	16.2	30.2	29.6	8.7	2.8	1.2					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-84 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
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	3.6	2.6	1.3	.3							8.3	7.8
NNE	.6	.1	1.2	.9								2.8	8.8
NE	.2	.3	.7	.2								1.4	7.2
ENE		.7	.7	.2								1.5	7.4
E	.4	.9	.9	.9	.2							3.3	8.6
ESE	.1	.7	.8	.7								2.2	9.2
SE	.3	1.4	1.7	.8	.1							4.3	7.9
SSE	.4	1.6	1.1	.9	.2							4.2	7.9
S	.9	1.8	1.4	.9	.1							5.2	7.5
SSW	.6	.9	2.2	.7	.2							4.4	8.6
SW	.8	.9	2.1	.4	.2							4.4	7.9
WSW	.3	2.7	2.9	1.2								7.1	7.3
W	1.4	2.2	2.9	2.6	.3	.1						9.6	8.7
WNW	.2	1.7	2.4	3.1	1.6	1.4	.1					12.6	13.1
NW	.4	2.3	4.6	4.9	3.0	.4	.1					15.3	11.9
NNW	.3	1.9	2.9	3.8	.7	.2	.1					9.9	10.9
VARBI													
CALM												5.2	
	7.6	23.4	31.7	23.4	7.7	2.2	.3					100.2	9.1

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-0000
HOURS (LST)

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	3.2	1.8	.4	.2	.3						6.3	7.2
NNE	.9	.9	.6	.8	.2							3.3	7.4
NE	.2	.2	.8	.4								1.7	8.2
ENE	.1	.3	.7		.1							1.2	7.8
E	.3	.9	1.2	.4								2.9	7.4
ESE	.2	1.8	1.6	.6								4.1	7.1
SE	1.0	1.8	1.6	.6								4.9	6.5
SSE	1.1	2.2	1.0	.2								4.5	5.5
S	1.0	3.3	1.0	.3	.1							5.8	5.8
SSW	.6	2.6	1.3									4.4	5.7
SW	.7	2.9	1.6	.3								5.4	6.1
WSW	.9	3.7	2.1	.1								6.8	6.0
W	1.1	4.4	3.7	1.3	.3	.1	.2					11.2	7.9
WNW	1.0	2.9	3.8	2.8	.3	.1						10.9	8.8
NW	1.3	1.9	3.2	3.2	1.3	.3	.3					11.7	11.0
NNW	.6	1.7	2.1	2.0	.7							7.0	9.6
VARBL													
CALM												7.2	
	11.9	34.7	27.9	13.6	3.3	.9	.5					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

770

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727675 MINOT AFB ND 73-84 444 NORTH
STATION STATION NAME YEARS
ALL WEATHER
CLASS
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	1.8	.4	.4	.2						2.2	3.7
NNE		1.1	.9	.7								2.7	5.3
NE	.4	.3	.2	.4								1.4	7.1
ENE	.3		.3	.1								.3	6.7
E	.3	.2	1.5	.8								2.3	6.7
ESE	.2	1.2	1.2	.9	.2							3.3	6.6
SE	.6	1.7	1.8	.9								4.7	7.3
SSE	.9	2.6	1.1	.4								4.7	5.9
S	1.4	2.9	1.3	.3								6.0	5.3
SSW	.9	1.7	1.4	.3								4.3	6.3
SW	1.1	1.2	2.2	.6								3.4	6.6
WSW	1.5	3.4	3.8	.2								3.4	6.2
W	1.8	5.1	4.3	1.4	.1	.2	.1					13.1	7.2
WNW	1.3	1.7	3.2	3.4	1.1	.2						11.0	10.2
NW	.6	2.1	4.7	4.2	.9	.1	.4					15.1	10.7
NNW	.2	1.3	1.2	2.7	.2	.1						5.3	10.4
VARBL													
CALM												7.4	
	11.8	27.9	30.6	17.9	3.0	.9	.6					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 600

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-84 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
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	1.9	2.7	1.3	.2	.1	.3					9.2	6.6
NNE	.4	.7	.9	.7	.1	.3						1.3	6.1
NE	.2	.4	.5	.2								1.3	7.0
ENE	.1	.2	.4	.2	.7							.9	7.5
E	.3	.6	.8	.6	.9							3.3	5.1
ESE	.2	.9	1.1	.5	.3	.3						2.3	7.9
SE	.5	1.5	1.5	.8	.9							4.4	7.3
SSE	.7	1.9	1.2	.8	.2	.7						4.3	7.2
S	.3	2.3	1.0	.7	.1	.7						4.3	6.7
SSW	.7	1.4	1.4	.5	.1	.7						4.1	7.2
SW	.7	1.5	1.7	.6	.1							4.5	7.2
WSW	.9	2.7	2.5	.8	.1	.7						7.3	6.9
W	1.4	4.7	4.5	2.4	.7	.2	.1					12.3	5.2
WNW	.9	2.5	3.6	3.5	1.2	.7	.2					12.3	5.9
NW	.8	2.3	4.1	4.7	1.5	.4	.2					13.9	11.2
NNW	.3	1.3	2.3	2.8	.6	.1	.1					7.9	13.8
VARBL													
CALM												7.2	
	4.7	25.7	29.6	21.1	4.5	1.7	.5					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 7233

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

127575 MINOT AFB ND 73-62 260
STATION STATION NAME YEARS SOUTH
ALL WEATHER
CLASS 000-0000
HOURS (LST)

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	1.3	2.6	1.2	.1							2.5	6.8
NNE	.4	.5	.5	.6								2.2	7.9
NE	.3	.2	.2	.2								1.3	6.3
ENE	.3	.2	.4	.3								1.3	7.8
E	.2	.3	1.5	1.3	.4							4.7	6.9
ESE	.5	1.3	1.0	1.3	.3	.1						4.5	9.1
SE	1.5	1.5	.5	1.5	.2							5.5	7.3
SSE	1.4	3.2	1.4	.5								6.6	5.7
S	1.6	1.4	.8	.5	.1							4.4	6.7
SSW	.3	1.0	1.0	.1	.2							6.0	7.3
SW	.5	1.2	1.3	.4	.2							3.7	7.2
WSW	.3	1.1	1.2	1.9	.3							4.3	9.7
W	1.4	2.7	3.8	2.4	1.0	.2						12.5	9.3
VNW	.9	2.4	3.0	3.5	1.8	.4	.2		.1			13.2	11.3
NW	.2	1.1	5.2	3.9	3.1	1.7		.1				15.3	13.9
NNW	.5	1.0	1.7	1.3	1.0							5.5	10.3
VARBL													
CALM												6.9	
	11.5	20.9	26.9	22.2	8.8	2.5	.2	.1	.1			10.2	6.9

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)

STATION 727575 HINDI AFB ND STATION NAME 73-6 YEARS 06
CLASS ALL WEATHER 800-850
CONDITION HOURLY (LST)

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	1.9	1.5	1.0	.1						6.6	1.1
NNE	.2	.5	.2	.3								1.3	7.3
NE	.2	.4	.3	.1	.2							1.3	6.6
ENE	.1	.3	.3	.3								1.1	6.2
E	.6	1.1	1.1	1.3	.4							4.4	9.4
ESE	.5	1.2	1.2	1.0	.3							4.2	6.9
SE	1.2	1.2	1.6	1.8	.2							6.3	6.3
SSE	1.1	2.6	.4	.3								4.4	4.9
S	.4	2.8	1.3	.2	.5							6.3	7.2
SSW	.1	.4	1.3	.8	.3							2.9	10.0
SW	.3	.4	1.2	.4	.2							2.4	4.0
WSW	.8	1.5	1.5	1.4	.2	.1						5.5	6.4
W	1.6	3.6	4.0	3.8	.8	.3						14.3	9.2
WNW	1.0	2.8	2.3	2.8	2.2	.9						11.9	11.5
NW	.3	1.8	4.5	5.0	2.2	1.7						15.5	13.0
NNW	.5	1.1	1.9	1.6	.6	.1						5.9	15.0
VARBL													
CALM												7.4	
	7.4	23.4	24.9	22.6	9.1	3.2						120.3	9.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-84 260
STATION STATION NAME YEARS DATA
ALL WEATHER
CLASS
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	1.7	1.7	.2							2.5	2.2
NNE	.1	1.1	.3	.1								1.5	0.3
NE	.2	.8	.1		.2							1.3	0.5
ENE	.2	.4	.6	.2								1.5	0.9
E	.9	1.3	1.2	1.9	.2							2.5	5.1
ESE	.4	1.6	2.2	.3								4.5	7.1
SE	1.3	1.3	1.1	1.3								4.9	6.9
SSE	1.3	1.3	1.5	.5	.1							4.7	6.7
S	.9	1.1	1.3	.6	.2							4.1	7.2
SSW	.9	.5	.8	.8		.1						3.0	7.9
SW	.2	1.2	.2	1.1	.1							2.6	9.7
WSW	.8	1.6	1.4	1.5	.3							3.6	8.4
W	1.7	2.8	3.2	4.5	1.4	.1						13.3	9.6
WNW	.8	1.9	3.2	4.5	1.6	1.4	.1					13.4	12.5
NW	.3	1.9	4.7	4.4	2.4	.9	.2					14.3	16.2
NNW	.2	1.1	1.2	3.0	.4							5.9	15.9
VARBL													
CALM												7.1	
	10.3	21.3	24.7	26.6	7.7	2.5	.3					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINCI AFB MO 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER 1977-1980
CLASS
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	.5	1.6	.9	.1							3.2	3.2
NNE	.5	.5	.1	.3	.3							2.2	7.5
NE	.2	.4	.3	.1								1.1	5.4
ENE		.2	.6	.5								1.4	9.6
E	.3	1.0	1.2	2.4	.1							4.9	13.3
ESE	.3	.8	1.3	.5	.1							3.0	7.9
SE	.6	1.9	2.3	.6								5.5	7.5
SSE	1.2	2.0	1.2	.8								4.9	5.5
S	.6	.3	.6	1.2	.6							3.4	13.6
SSW	.5	1.1	.9	.8	.2							3.4	8.0
SW	.5	1.3	.4	1.4								3.6	7.9
WSW	.7	1.9	1.8	1.0	.1							5.7	7.5
W	2.3	3.9	4.5	3.8	2.0	.2						16.6	9.5
WNW	.5	1.6	2.3	3.8	1.6	1.2	.3	.1				11.4	13.6
NW	.8	1.1	3.1	4.4	2.5	2.2	.2					14.2	13.8
NNW	.3	.8	2.4	3.0	1.0							7.4	11.3
VARBL													
CALM												7.2	
	10.3	19.6	24.6	25.4	8.7	3.5	.5	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727675 MINOT AFB ND 73-82 D&C
STATION STATION NAME YEARS MONTHS (L & T)
ALL WEATHER
CLASS
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	.5	2.3	1.8	.4							5.5	2.6
NNE	.3	.3	.3	.1		.3						1.4	9.5
NE	.5	.4	.3	.1								1.4	5.5
ENE	.1	.5	.5	.9								2.0	9.1
E	.4	.3	1.0	1.5	.4							3.7	11.2
ESE	.3	1.5	1.3	.9								4.0	7.8
SE	.3	1.4	1.9	1.6	.2							5.5	8.8
SSE	.1	1.3	1.2	.9	.1							3.5	6.7
S	.6	1.2	2.4	1.0	.4							5.6	8.5
SSW	.1	.6	.6	.9	.1							2.4	9.9
SW	.4	1.7	.8	1.0	.2							3.3	9.0
WSW	.6	1.2	1.7	1.8	.4							5.0	9.4
W	.9	2.2	4.3	5.3	1.8	.2						14.6	11.0
WNW	.3	.9	2.4	4.0	2.2	1.3	.4	.4				11.8	15.3
NW	.5	2.3	2.5	6.0	4.1	1.5	.1					17.0	13.7
NNW	.4	.3	1.5	1.9	1.1	.4						6.1	12.1
VARBL													
CALM												6.3	
	6.6	16.3	24.9	29.6	11.5	3.8	.5	.4				100.0	10.5

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)

727675 MINOT AFB ND 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L & 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	1.1	1.7	1.8	.1	.1						5.4	8.9
NNE	.6	.3	.6	.4	.1	.1						2.3	7.8
NE	.2	.1	.1	.4								.9	8.3
ENE	.5	.8	.6	.4								2.4	6.8
E	.6	.3	.9	1.6	.3							4.5	9.6
ESE	.5	2.2	1.8	.5	.2							5.3	7.2
SE	.9	2.4	.9	.3	.2							4.6	6.2
SSE	1.0	.8	1.6	.8	.1							4.2	7.4
S	.6	2.3	1.7	1.7								6.3	7.6
SSW	.4	.8	.2	1.4	.1							2.9	9.3
SW	.2	1.7	1.3	.6								3.1	6.0
WSW	.5	1.3	1.3	1.0	.2							4.3	8.2
W	.5	1.5	3.9	4.5	.6	.5						11.5	12.8
WNW	.5	1.9	3.4	2.9	1.4	.9	.5					11.6	12.2
NW	.4	1.4	2.9	5.4	3.3	1.6	.5	.3				16.1	15.0
NNW	.6	1.9	1.9	2.6	.6	.1						7.8	9.9
VARBL													
CALM												6.7	
	8.9	20.3	24.9	26.8	7.4	3.5	1.1	.3				100.0	9.5

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)

727575 MINOT AFB ND 73-82 DEC

STATION STATION NAME YEARS MONTH

ALL WEATHER 1800-2000

CLASS HOURS (L & 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	1.7	1.9	.4	.3							5.2	7.8
NNE	.4	.4	.1	.9	.3							2.2	10.6
NE	.4	.1										.5	3.0
ENE	.1	1.3	.6	.6								2.7	7.2
E	.4	1.5	1.1	1.6	.2							4.9	9.2
ESE	1.1	1.8	2.5	1.0								6.4	7.3
SE	1.0	1.9	1.3	.2								4.4	5.7
SSE	.5	2.4	1.7	.4	.1							5.2	6.8
S	1.1	1.6	1.3	.3								4.3	5.9
SSW	.5	1.2	.3	.9	.2							3.1	7.9
SW	.8	1.6	.8	1.2	.1							4.4	7.8
WSW	1.2	1.8	1.4	1.4	.2							6.0	7.5
W	.9	3.6	5.5	2.8	.8	.1						13.6	8.7
WNW	.8	1.8	3.0	2.5	.8	1.6	.1					10.6	12.0
NW	.6	1.6	2.6	5.1	2.0	1.5	.4	.1				14.1	13.8
NNW	.3	1.5	1.4	1.5	.2	.1						5.1	9.6
VARBL													
CALM												7.3	
	10.9	26.0	25.6	20.8	5.3	3.5	.5	.1				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

727575 MINOT AFB ND 73-82 DEC
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

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	2.5	1.5	1.4	.1	.1						5.8	6.4
NNE	.2	.9	.4	1.2								2.6	9.3
NE	.1	.2	.2	.1								.5	7.2
ENE	.1	.3	.4	.2								1.1	8.0
E	.9	1.7	1.4	1.3	.9							5.4	9.4
ESE	.8	.9	2.4	1.7	.1							5.1	8.4
SE	.6	2.6	1.2	.4	.2							5.1	6.8
SSE	1.4	2.5	1.5	.2								5.6	5.3
S	1.3	1.3	.5	.8								3.9	5.9
SSW	.5	.4	.6	.4								2.3	7.8
SW	.6	.6	.5	.6	.6	.1						3.2	10.3
WSW	.8	1.4	1.7	.9	.2							5.3	7.9
W	1.7	3.5	4.2	3.9	1.1		.1					14.5	6.8
WNW	.9	2.3	2.9	4.7	1.7	.6	.1	.1				13.4	11.9
NW	.3	1.4	4.1	4.4	1.9	1.5	.3					14.3	13.4
NNW	.2	1.5	1.8	1.2	.2	.2						5.2	9.5
VARBL													
CALM												7.6	
	10.7	23.1	25.6	22.8	7.1	2.6	.5	.1				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727575 MINOT AFB ND 73-82
STATION MONTH YEAR
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

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	1.4	1.9	1.3	.3	.7						5.4	6.9
NNE	.4	.6	.3	.5	.1	.1						2.1	6.3
NE	.3	.3	.2	.1	.1							1.2	6.5
ENE	.2	.5	.5	.4								1.7	7.8
E	.6	.9	1.2	1.7	.4							4.7	9.6
ESE	.6	1.4	1.7	.8	.1	.7						4.6	7.9
SE	.9	1.8	1.3	1.0	.1							5.2	7.3
SSE	1.0	2.0	1.3	.6	.1							4.9	6.4
S	.9	1.5	1.2	.8	.2							4.7	7.4
SSW	.4	.8	.7	.7	.1	.7						2.3	8.5
SW	.5	1.7	.8	.8	.2	.7						3.3	6.4
WSW	.7	1.5	1.5	1.4	.3	.7						5.3	8.3
W	1.4	2.9	4.2	4.0	1.2	.2	.7					13.9	9.6
WNW	.7	1.9	2.9	3.6	1.7	1.0	.2	.1	.7			12.2	12.5
NW	.4	1.6	3.7	4.8	2.7	1.6	.2	.1				15.1	13.6
NNW	.4	1.2	1.7	2.0	.6	.1						6.1	10.5
VARBL													
CALM												7.1	
	9.8	21.4	25.3	24.6	8.2	3.1	.5	.1	.7			170.2	9.2

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

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

SURFACE WINDS

727575

MINCT AFB MO

73-82

STATION

STATION NAME

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	.9	2.3	2.4	1.7	.4	.1	.0	.0				7.5	8.7
NNE	.5	.9	.8	.6	.1	.0	.0	.0				3.3	6.1
NE	.4	.7	.5	.3	.1	.0	.0	.0				2.3	6.8
ENE	.4	.7	.7	.4	.0	.0	.0					2.4	7.6
E	.5	1.3	1.6	1.2	.2	.1	.0	.0				5.1	8.7
ESE	.6	1.5	1.7	1.3	.3	.1	.0					5.5	9.0
SE	.8	1.9	1.7	1.1	.2	.1	.0					6.0	8.1
SSE	.9	1.8	1.4	1.0	.2	.1	.0					5.4	7.8
S	1.0	1.8	1.4	1.1	.3	.1	.0					5.6	7.9
SSW	.6	1.7	.9	.6	.1	.0	.0					3.2	7.8
SW	.6	1.2	1.0	.6	.1	.0						3.4	7.4
WSW	.7	1.8	1.5	.8	.1	.0	.0	.0				3.1	7.5
W	1.4	3.0	3.1	2.2	.6	.2	.0	.0				10.5	6.6
WNW	.7	2.1	2.7	2.8	1.1	.5	.1	.0	.0			10.1	11.1
NW	.6	1.9	2.9	3.4	1.4	.7	.2	.0	.0	.0		11.2	11.9
NNW	.5	1.5	2.2	2.0	.6	.2	.0	.0				7.0	10.3
VARBL													
CALM												7.1	
	11.2	25.1	26.5	21.3	5.9	2.3	.4	.1	.0	.0		100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

87558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

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

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

ALL
MONTH

INSTRUMENT

CLASS

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

ALL
HOURS (LST)

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	2.6	5.2	5.4	1.5	.4	.1					12.1	12.3
NNE	.5	1.3	2.5	2.2	.7	.1	.0					7.3	12.3
NE	.4	1.1	1.5	1.0	.3	.0	.0					4.4	9.2
ENE	.4	1.1	1.8	1.6	.2	.2	.0					5.3	9.8
E	.6	1.8	3.4	4.0	.8	.1	.0					10.8	12.4
ESE	.4	1.3	2.8	3.0	1.3	.4	.1					9.2	11.6
SE	.3	1.4	1.9	1.0	.6	.2	.1					6.5	12.5
SSE	.3	1.1	1.1	1.1	.2	.1	.0					3.7	9.3
S	.2	.6	.8	.4	.1	.0	.0					2.2	8.0
SSW	.1	.4	.3	.2	.0	.0	.0					1.5	8.2
SW	.1	.2	.2	.1	.0	.0	.0					.5	8.0
WSW	.1	.2	.2	.2	.1	.0	.0					.7	9.2
W	.3	.6	.4	.4	.2	.2	.0	.0				2.1	12.9
WNW	.3	.6	1.0	1.4	1.1	.8	.2	.2				5.6	15.2
NW	.5	.9	2.2	3.1	2.4	2.0	.4	.0				11.4	15.1
NNW	.4	1.4	2.2	2.9	1.4	.6	.1					9.2	12.3
VARBL													
CALM												4.1	
	5.7	16.5	27.5	28.9	10.9	5.2	1.1	.2				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

2277

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	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 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 ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 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
 USAF ETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

12575 MINOT AFB ND

73-32

143

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

3-1-50-22

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	300	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	51.2	51.5	52.4	52.5	54.5	54.6	54.8	54.9	54.9	55.5	56.3	56.3	56.6	56.6	56.6	56.6
900	54.9	56.5	57.2	57.2	59.2	59.3	59.6	59.7	59.7	60.4	61.1	61.1	61.5	61.5	61.5	61.5
800	54.9	56.5	57.2	57.2	59.2	59.3	59.6	59.7	59.7	60.4	61.1	61.1	61.5	61.5	61.5	61.5
700	54.9	56.5	57.2	57.2	59.2	59.3	59.6	59.7	59.7	60.4	61.1	61.1	61.5	61.5	61.5	61.5
600	56.2	56.8	57.6	58.7	59.8	60.3	60.3	60.4	60.4	61.7	61.8	61.8	62.1	62.1	62.1	62.1
500	56.3	57.4	58.1	59.2	60.5	60.6	60.7	61.0	61.0	61.7	62.4	62.4	62.8	62.8	62.8	62.8
400	59.5	61.1	61.9	63.0	64.3	64.4	64.7	64.8	64.8	65.4	66.2	66.2	66.5	66.5	66.5	66.5
300	60.1	61.8	62.5	63.9	64.9	65.0	65.3	65.4	65.4	66.1	66.8	66.8	67.2	67.2	67.2	67.2
200	63.1	64.9	65.7	66.6	68.1	68.2	68.6	68.7	68.7	69.3	70.1	70.1	70.4	70.4	70.4	70.4
100	64.5	66.5	67.7	68.5	69.6	69.9	70.2	70.3	70.3	70.8	71.7	71.7	72.2	72.2	72.2	72.2
0	65.0	67.5	68.5	69.6	71.7	71.2	71.5	71.5	71.5	72.2	73.0	73.0	73.3	73.3	73.3	73.3
1000	66.7	67.3	70.2	71.5	72.9	73.2	73.5	73.7	73.7	74.4	75.1	75.1	75.5	75.5	75.5	75.5
900	67.4	70.3	71.5	72.7	74.1	74.3	74.9	75.0	75.1	75.7	76.4	76.4	76.7	76.7	76.7	76.7
800	69.1	72.0	73.5	74.7	76.1	76.3	77.0	77.1	77.1	77.8	78.5	78.5	78.9	78.9	78.9	78.9
700	69.4	72.9	74.4	75.8	77.2	77.4	78.0	78.3	78.3	79.0	79.6	79.6	80.1	80.1	80.1	80.1
600	70.4	74.0	75.5	77.0	78.4	78.6	79.3	79.5	79.5	80.2	81.1	81.1	81.4	81.4	81.4	81.4
500	71.6	75.2	76.7	78.3	79.9	80.2	80.9	81.3	81.3	82.0	82.8	82.8	83.1	83.1	83.1	83.1
400	72.1	76.2	77.7	79.3	81.2	81.5	82.3	82.8	82.8	83.5	84.4	84.4	84.7	84.7	84.7	84.7
300	72.8	77.2	78.7	80.4	82.2	82.6	83.5	84.0	84.0	84.7	85.6	85.6	85.9	85.9	85.9	85.9
200	73.7	78.7	80.2	82.0	83.9	84.2	85.1	85.7	85.7	86.5	87.4	87.4	87.7	87.7	87.7	87.7
100	75.1	80.2	81.7	83.5	85.5	85.8	86.9	87.5	87.5	88.5	89.7	89.7	90.1	90.1	90.1	90.1
0	75.6	81.2	82.8	84.6	87.0	87.4	88.7	89.3	89.3	90.5	91.6	91.6	92.2	92.2	92.2	92.2
1000	76.2	81.8	83.5	85.4	87.8	88.3	89.6	90.3	90.3	91.6	92.8	92.8	93.2	93.2	93.2	93.2
900	76.5	82.3	84.1	85.9	88.4	88.8	90.1	91.1	91.1	92.4	93.9	93.9	94.4	94.4	94.4	94.4
800	76.6	82.5	84.2	86.0	88.5	89.0	90.3	91.6	91.6	92.9	94.4	94.4	94.9	94.9	94.9	94.9
700	76.7	82.6	84.3	86.1	88.6	89.1	90.4	91.7	91.7	93.1	94.7	94.7	95.3	95.3	95.3	95.3
600	77.3	83.4	85.1	87.1	89.8	90.3	91.6	92.9	92.9	94.7	96.3	96.3	97.1	97.1	97.1	97.1
500	77.3	83.4	85.1	87.2	89.9	90.5	91.8	93.1	93.1	94.9	96.7	96.7	97.4	97.4	97.4	97.4
400	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.4	93.4	95.4	97.1	97.1	98.1	98.1	98.1	98.1
300	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.5	93.5	95.6	97.3	97.3	98.3	98.3	98.3	98.3
200	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.5	93.5	95.6	97.4	97.4	98.5	98.5	98.5	98.5
100	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.5	93.5	95.6	97.4	97.4	98.5	98.5	98.5	98.5
0	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.5	93.5	95.6	97.4	97.4	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 429

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINGT AFB ND

73-57

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1973-1974

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	51.9	55.4	56.3	57.2	57.7	58.0	58.2	58.5	58.5	58.5	58.9	59.0	59.2	59.0	59.0	59.1
≥9000	54.5	58.0	59.9	59.8	60.3	60.5	60.8	61.1	61.1	61.2	61.5	61.6	61.6	61.5	61.5	61.7
≥8000	54.5	58.1	59.0	59.9	60.4	60.6	60.9	61.2	61.2	61.3	61.5	61.7	61.7	61.7	61.7	61.8
≥7000	54.5	58.1	59.0	59.9	60.4	60.6	60.9	61.2	61.2	61.3	61.5	61.7	61.7	61.7	61.7	61.8
≥6000	54.9	58.4	59.4	60.2	60.8	61.0	61.2	61.5	61.5	61.5	61.9	62.0	62.0	62.0	62.0	62.2
≥5000	56.7	59.5	60.4	61.3	61.8	62.0	62.3	62.6	62.6	62.7	63.0	63.1	63.1	63.1	63.1	63.2
≥4000	58.8	62.5	63.4	64.3	64.8	65.1	65.3	65.6	65.6	65.7	66.0	66.1	66.1	66.1	66.1	66.2
≥3000	59.7	63.3	64.3	65.2	65.7	65.9	66.1	66.5	66.5	66.6	66.9	67.0	67.0	67.0	67.0	67.1
≥2000	62.0	65.8	66.8	67.6	68.3	68.5	68.8	69.1	69.1	69.2	69.6	69.7	69.7	69.7	69.7	69.8
≥1800	63.7	67.6	68.5	69.6	70.2	70.4	70.8	71.1	71.1	71.2	71.5	71.6	71.6	71.6	71.6	71.7
≥1600	64.6	68.6	69.5	70.5	71.2	71.4	71.7	72.0	72.0	72.2	72.5	72.6	72.6	72.6	72.6	72.7
≥1400	66.5	70.9	71.8	72.8	73.4	73.7	74.1	74.4	74.4	74.5	74.8	74.9	74.9	74.9	74.9	75.1
≥1200	67.1	71.5	72.5	73.4	74.1	74.5	74.9	75.3	75.3	75.4	75.7	75.8	75.8	75.8	75.8	75.9
≥1000	68.4	73.1	74.1	75.1	75.7	76.1	76.6	76.9	76.9	77.0	77.3	77.4	77.4	77.4	77.4	77.5
≥900	69.1	74.2	75.2	76.1	77.1	77.5	78.0	78.3	78.3	78.4	78.7	78.8	78.8	78.8	78.8	78.9
≥800	70.5	75.7	76.8	77.8	78.8	79.2	79.9	80.4	80.4	80.5	80.9	81.0	81.0	81.0	81.0	81.1
≥700	71.3	77.3	78.4	79.5	80.4	80.9	81.5	82.0	82.0	82.2	82.5	82.6	82.6	82.6	82.6	82.7
≥600	73.3	79.2	80.3	81.5	82.6	83.0	83.7	84.2	84.2	84.3	84.7	84.8	84.8	84.8	84.8	84.9
≥500	74.1	80.1	81.4	82.7	83.9	84.3	85.1	85.6	85.6	85.7	86.1	86.2	86.2	86.2	86.2	86.3
≥400	74.6	81.2	82.5	83.8	84.9	85.4	86.1	86.8	86.8	86.9	87.3	87.4	87.4	87.4	87.4	87.5
≥300	76.3	83.0	84.5	85.8	87.6	88.1	88.8	89.6	89.6	90.0	90.4	90.5	90.6	90.6	90.6	90.9
≥200	77.1	83.8	85.3	86.6	88.9	89.4	90.2	91.1	91.1	91.5	91.9	92.0	92.0	92.0	92.0	92.4
≥100	77.3	84.4	86.0	87.3	89.7	90.1	91.0	91.8	91.8	92.3	92.8	92.9	93.2	93.2	93.2	93.4
≥50	77.8	85.1	86.5	88.1	90.4	90.9	91.7	92.6	92.6	93.1	93.8	93.9	94.3	94.3	94.3	94.5
≥25	78.1	85.4	87.2	88.5	90.9	91.3	92.2	93.2	93.2	94.0	94.6	94.7	95.2	95.2	95.2	95.4
≥15	78.1	85.5	87.3	88.6	91.2	91.6	92.5	93.5	93.5	94.3	94.9	95.1	95.5	95.5	95.5	95.7
≥10	78.3	85.9	87.7	89.0	91.9	92.5	93.3	94.4	94.5	95.4	96.0	96.1	96.6	96.6	96.6	96.6
≥5	79.4	86.0	87.8	89.1	92.2	92.8	93.7	94.7	94.8	95.7	96.3	96.5	96.9	96.9	96.9	97.1
≥2	79.4	86.2	88.1	89.4	92.4	93.1	94.0	95.1	95.2	96.1	96.9	97.2	98.0	98.0	98.0	98.2
≥1	79.4	86.2	88.1	89.4	92.4	93.1	94.1	95.3	95.4	96.3	97.1	97.4	98.3	98.3	98.3	98.7
≥0	79.4	86.2	88.1	89.4	92.4	93.1	94.1	95.3	95.4	96.5	97.2	97.5	98.4	98.4	98.4	99.7

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

327575

MINOT AFB ND

73-02

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-1420

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	21	20	20	21	22	23	24	25	26	20
1-1000	43.7	52.2	53.1	53.8	55.3	55.3	55.5	55.2	56.2	56.7	57.1	57.2	57.2	57.2	57.2	57.4
1-1000	50.8	54.4	55.5	56.1	57.6	57.6	57.6	58.6	58.6	59.1	59.5	59.6	59.6	59.6	59.6	59.6
2-1000	50.9	54.5	55.6	56.2	57.7	57.7	58.2	58.7	58.7	59.1	59.6	59.7	59.7	59.7	59.7	59.9
2-1000	57.9	54.5	55.6	56.2	57.7	57.7	58.2	58.7	58.7	59.1	59.6	59.7	59.7	59.7	59.7	59.9
3-1000	51.3	54.9	55.2	56.7	58.2	58.2	58.4	59.1	59.1	59.6	60.7	60.1	60.1	60.1	60.1	60.3
3-1000	52.3	55.9	57.2	57.6	59.1	59.1	59.4	60.1	60.1	60.5	61.7	61.1	61.1	61.1	61.1	61.3
4-1000	54.5	58.5	59.7	60.3	61.8	61.8	62.2	62.8	62.8	63.2	63.7	63.8	63.8	63.8	63.8	64.7
4-1000	55.6	59.2	60.4	61.1	62.6	62.6	62.8	63.5	63.5	64.7	64.4	64.5	64.5	64.5	64.5	64.7
5-1000	57.4	61.2	62.4	63.0	64.5	64.5	64.7	65.5	65.5	65.9	66.3	66.5	66.5	66.5	66.5	66.7
5-1000	58.9	62.8	64.1	64.7	66.3	66.3	66.6	67.3	67.3	67.7	68.2	68.3	68.3	68.3	68.3	68.5
6-1000	60.5	64.5	65.7	66.5	68.1	68.1	68.3	69.0	69.0	69.5	69.9	70.0	70.0	70.0	70.0	70.2
6-1000	61.8	65.9	67.3	68.1	69.8	69.8	70.1	71.0	71.0	71.5	71.9	72.1	72.1	72.1	72.1	72.3
7-1000	62.7	67.0	68.4	69.2	71.1	71.1	71.4	72.4	72.4	72.9	73.3	73.4	73.4	73.4	73.4	73.7
7-1000	64.1	68.6	70.1	71.0	73.1	73.1	73.7	74.6	74.6	75.4	75.8	75.9	75.9	75.9	75.9	76.1
8-1000	64.3	69.6	71.1	71.9	74.1	74.1	74.6	75.7	75.7	76.5	76.9	77.0	77.0	77.0	77.0	77.2
8-1000	65.7	70.5	72.3	73.3	75.7	75.7	76.3	77.4	77.4	78.2	78.6	78.7	78.7	78.7	78.7	78.9
9-1000	66.0	71.5	73.7	74.7	77.1	77.1	77.7	78.8	78.8	79.6	80.0	80.1	80.1	80.1	80.1	80.3
9-1000	67.3	73.4	75.9	76.9	79.6	79.6	80.3	81.4	81.4	82.2	82.6	82.7	82.7	82.7	82.7	82.9
10-1000	67.8	74.1	76.5	77.5	80.2	80.2	80.3	81.1	81.1	82.3	82.3	83.1	83.1	83.1	83.1	83.9
10-1000	68.9	75.4	77.8	78.9	81.6	81.6	82.5	83.9	83.9	84.7	85.2	85.3	85.3	85.3	85.3	85.5
11-1000	70.3	77.0	79.5	80.5	83.5	83.5	84.6	86.2	86.3	87.5	88.7	88.1	88.2	88.2	88.2	88.4
11-1000	72.2	79.0	81.7	82.6	86.2	86.2	87.4	89.1	89.4	90.8	91.3	91.4	91.5	91.5	91.5	91.7
12-1000	72.6	79.7	82.7	84.0	87.4	87.4	88.6	90.3	90.5	91.9	92.5	92.6	92.7	92.7	92.7	93.0
12-1000	72.8	79.9	82.9	84.4	87.8	87.8	89.1	90.9	91.1	92.6	93.1	93.2	93.3	93.3	93.3	93.8
13-1000	73.0	80.2	83.2	84.7	88.2	88.2	89.6	91.3	91.5	93.1	93.7	93.8	93.9	93.9	93.9	94.3
13-1000	73.0	80.4	83.4	84.9	88.4	88.4	89.8	91.5	91.7	93.3	94.0	94.1	94.2	94.2	94.2	94.6
14-1000	73.3	81.1	84.3	85.8	89.2	89.2	90.6	92.9	93.1	94.7	95.4	95.5	95.6	95.6	95.6	96.1
14-1000	73.5	81.6	84.9	86.6	90.1	90.1	91.6	93.8	94.0	95.8	96.5	96.6	96.7	96.7	96.7	97.2
15-1000	73.5	81.6	84.9	86.6	91.2	91.2	92.5	94.3	94.5	96.1	97.0	97.1	97.3	97.3	97.3	98.2
15-1000	73.5	81.7	85.1	86.8	91.4	91.4	92.8	94.3	94.5	96.5	97.5	97.7	98.1	98.1	98.1	99.2
16-1000	73.5	81.7	85.1	86.8	91.4	91.4	92.8	94.3	94.5	96.5	97.5	97.8	98.2	98.2	98.2	99.7
16-1000	73.5	81.7	85.1	86.8	91.4	91.4	92.8	94.3	94.5	96.5	97.5	97.8	98.2	98.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 933

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-02

YEAR

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

222-1122

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	45.6	48.5	51.5	51.2	52.6	52.7	53.1	53.9	54.1	54.5	55.7	55.7	56.2	56.2	56.3	56.7
≥20000	45.1	51.5	53.7	54.4	56.0	56.1	56.6	57.3	57.4	58.5	59.2	59.2	59.8	59.8	59.9	60.2
≥18000	45.5	52.0	54.2	54.9	55.6	56.7	57.1	57.8	58.0	59.0	59.8	59.8	60.3	60.3	60.4	60.8
≥16000	45.6	52.3	54.4	55.2	56.8	56.9	57.3	58.1	58.2	59.2	60.0	60.0	60.5	60.5	60.5	61.0
≥14000	49.4	53.1	55.3	56.0	57.6	57.7	58.2	58.9	59.1	60.1	60.9	60.9	61.4	61.4	61.5	61.8
≥12000	50.5	54.5	56.7	57.4	59.0	59.1	59.6	60.3	60.4	61.5	62.3	62.3	62.8	62.8	62.9	63.2
≥10000	50.0	57.2	59.4	60.1	61.7	61.8	62.3	63.1	63.2	64.3	65.1	65.1	65.6	65.6	65.7	66.0
≥8000	54.6	58.8	61.0	61.7	63.3	63.4	64.0	64.3	64.9	66.0	66.8	66.8	67.3	67.3	67.4	67.7
≥6000	56.3	61.1	63.4	64.3	66.0	66.1	66.7	67.5	67.6	68.8	69.7	69.7	70.2	70.3	70.4	70.8
≥4000	58.5	62.3	65.2	66.0	67.7	67.8	68.4	69.2	69.4	70.6	71.5	71.5	72.0	72.0	72.3	72.6
≥2000	58.9	63.2	65.6	66.7	68.4	68.5	69.0	69.9	70.7	71.3	72.2	72.2	72.7	72.6	72.9	73.0
≥1000	60.3	64.7	67.1	68.3	70.1	70.2	70.9	71.7	71.9	73.2	74.2	74.2	74.7	74.6	74.9	75.3
≥500	60.3	65.2	67.6	68.8	70.5	70.8	71.4	72.3	72.4	73.8	74.7	74.7	75.3	75.4	75.5	75.8
≥250	61.5	66.1	68.5	69.6	71.7	71.8	72.5	73.4	73.5	75.2	76.2	76.2	76.8	76.9	77.0	77.3
≥125	62.2	66.9	69.4	70.5	72.5	72.6	73.2	74.2	74.3	75.9	77.0	77.0	77.5	77.6	77.7	78.1
≥62.5	63.0	68.2	71.0	72.2	74.1	74.3	75.1	76.1	76.2	78.0	79.1	79.1	79.7	79.8	79.9	80.2
≥31.25	64.0	69.6	72.7	74.1	76.3	76.6	77.3	78.4	78.5	80.2	81.4	81.4	81.9	82.0	82.2	82.5
≥15.625	64.4	70.2	73.5	75.1	77.6	77.8	79.0	80.2	80.4	82.3	83.5	83.5	84.2	84.5	84.6	84.9
≥7.8125	64.8	71.0	74.4	75.9	78.9	79.2	80.8	82.0	82.3	84.3	85.6	85.6	86.2	86.6	86.7	87.0
≥3.90625	65.3	71.4	75.1	76.7	79.8	80.1	81.6	83.2	83.4	85.7	87.0	87.0	87.6	88.0	88.1	88.4
≥1.953125	66.2	72.0	76.7	78.5	81.7	82.0	83.7	85.4	85.7	88.5	89.9	89.9	90.9	91.2	91.3	91.6
≥0.9765625	66.9	74.2	78.1	79.9	83.2	83.5	85.2	86.9	87.3	90.3	91.9	91.9	93.0	93.3	93.5	93.9
≥0.48828125	67.0	74.8	78.7	80.8	84.1	84.4	86.0	87.7	88.2	91.2	92.8	92.8	94.0	94.4	94.6	94.9
≥0.244140625	67.1	75.1	78.9	81.0	84.3	84.7	86.3	88.1	88.5	91.5	93.1	93.2	94.5	95.1	95.3	95.6
≥0.1220703125	67.3	75.3	79.1	81.2	84.5	84.9	86.7	88.4	88.9	91.8	93.4	93.5	94.8	95.4	95.6	95.9
≥0.06103515625	67.6	75.7	79.6	81.6	84.9	85.4	87.2	88.9	89.4	92.5	94.1	94.2	95.5	96.0	96.2	96.6
≥0.030517578125	68.0	76.2	80.1	82.3	85.6	86.0	88.0	89.7	90.1	93.5	95.2	95.3	96.6	97.1	97.3	97.6
≥0.0152587890625	68.0	76.2	80.3	82.7	86.1	86.6	88.6	90.4	90.7	94.5	96.1	96.2	97.5	98.2	98.4	98.7
≥0.00762939453125	68.0	76.2	80.3	82.7	86.1	86.6	88.6	90.4	90.9	94.5	96.1	96.2	97.7	98.8	99.0	99.4
≥0.003814697265625	68.0	76.2	80.3	82.7	86.1	86.6	88.6	90.4	90.9	94.5	96.1	96.2	97.7	98.8	99.0	99.7
≥0.0019073486328125	68.0	76.2	80.3	82.7	86.1	86.6	88.6	90.4	90.9	94.5	96.1	96.2	97.7	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 937

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB MO

73-82

14

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
≥1000	46.7	51.0	51.5	52.4	53.7	53.7	54.5	55.2	55.5	56.3	56.5	56.6	57.2	57.4	57.6	57.8
≥800	5.9	55.3	55.2	56.8	55.1	58.1	58.9	59.8	60.3	61.1	61.5	61.6	62.1	62.3	62.5	63.1
≥600	51.7	55.4	56.3	56.9	58.2	58.2	59.2	60.0	60.4	61.2	61.5	61.7	62.2	62.4	62.6	63.1
≥400	51.0	55.4	56.3	56.9	58.2	58.2	59.2	60.0	60.4	61.2	61.5	61.7	62.2	62.4	62.6	63.1
≥200	51.3	55.8	56.4	57.3	58.7	58.7	59.4	60.4	60.8	61.8	62.1	62.2	62.8	63.0	63.2	63.6
≥100	52.2	56.5	57.4	58.0	59.4	59.4	60.2	61.1	61.5	62.5	62.7	63.0	63.5	63.7	63.9	64.4
≥80	55.7	61.1	62.0	62.8	64.2	64.2	65.1	66.1	66.5	67.5	67.9	68.0	68.5	68.8	69.0	69.4
≥60	56.4	62.1	63.0	63.7	65.1	65.1	66.1	67.1	67.5	68.6	68.9	69.0	69.5	69.8	70.0	70.4
≥40	59.3	65.7	66.6	67.4	69.2	69.3	70.4	71.5	71.9	73.2	73.6	74.0	74.5	74.7	75.0	75.5
≥20	60.5	67.0	68.0	68.8	70.6	70.7	71.8	72.9	73.3	74.6	75.2	75.3	75.9	76.1	76.4	76.9
≥10	61.4	67.8	69.1	70.0	71.9	72.0	73.1	74.2	74.6	75.9	76.5	76.6	77.2	77.4	77.7	78.1
≥5	62.4	68.5	70.5	71.6	74.0	74.1	75.1	76.2	76.6	77.9	78.7	78.8	79.3	79.5	79.9	80.3
≥2.5	62.8	69.3	70.8	72.3	74.6	74.7	75.8	76.9	77.3	78.6	79.3	79.4	80.0	80.2	80.5	80.9
≥1.5	63.3	70.2	71.7	73.4	75.9	76.1	77.2	78.4	78.9	80.3	81.1	81.2	81.7	81.9	82.2	82.7
≥0.75	63.3	70.4	72.0	73.7	76.4	76.6	77.7	78.9	79.4	80.8	81.6	81.7	82.2	82.5	82.8	83.3
≥0.5	63.3	71.6	73.4	75.1	77.9	78.1	79.3	80.7	81.3	82.9	83.7	84.0	84.6	84.8	85.3	85.8
≥0.25	64.3	72.6	74.8	76.7	80.0	80.3	81.5	83.0	83.5	85.1	86.0	86.2	86.9	87.1	87.5	88.1
≥0.15	64.5	73.1	75.5	77.5	80.9	81.3	82.6	84.2	84.7	86.4	87.3	87.5	88.2	88.5	89.1	89.7
≥0.1	64.6	73.3	75.7	77.7	81.2	81.5	83.0	84.8	85.4	87.1	88.1	88.3	88.9	89.2	89.9	90.4
≥0.05	64.8	73.7	76.2	78.3	81.8	82.1	83.6	85.5	86.1	87.9	88.9	89.1	89.8	90.1	90.7	91.3
≥0.01	65.3	74.5	77.0	79.0	82.7	83.0	84.5	86.7	87.4	89.5	90.4	90.6	91.4	91.7	92.4	92.9
≥0.001	66.3	75.7	78.1	80.2	84.0	84.3	85.8	87.9	89.7	91.1	92.5	92.7	93.6	94.0	94.6	95.2
≥0.0001	66.3	75.8	78.3	80.3	84.1	84.4	85.9	88.1	88.9	91.2	92.7	92.9	94.0	94.3	94.9	95.5
≥0.00001	66.3	75.8	78.4	80.4	84.3	84.6	86.4	88.7	89.5	91.9	93.6	93.9	95.0	95.4	96.0	96.6
≥0.000001	66.4	75.9	78.5	80.5	84.4	84.7	86.5	88.8	89.6	92.0	93.8	94.0	95.2	95.5	96.3	97.0
≥0.0000001	66.7	76.2	78.8	80.8	84.8	85.1	87.1	89.6	90.4	93.1	94.9	95.2	96.3	96.7	97.5	98.2
≥0.00000001	66.7	76.3	78.9	80.9	85.0	85.4	87.3	89.8	90.6	93.4	95.5	95.7	96.9	97.2	98.1	98.7
≥0.000000001	66.7	76.3	79.0	81.2	85.4	85.7	87.6	90.1	91.0	93.8	95.8	96.0	97.2	97.5	98.4	99.0
≥0.0000000001	66.7	76.3	79.0	81.2	85.4	85.7	87.6	90.1	91.0	94.0	96.1	96.3	97.5	97.7	98.6	99.2
≥0.00000000001	66.7	76.3	79.0	81.2	85.4	85.7	87.6	90.1	91.0	94.0	96.1	96.3	97.5	97.7	98.8	99.7
≥0.000000000001	66.7	76.3	79.0	81.2	85.4	85.7	87.6	90.1	91.0	94.0	96.1	96.3	97.5	97.7	98.8	99.7

TOTAL NUMBER OF OBSERVATIONS 529

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-32

YEAR

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1522-1722
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0.4
≥20000	49.6	50.8	51.7	52.3	53.4	53.4	54.4	54.7	54.8	55.1	55.7	55.7	55.1	56.2	56.3	56.8
≥18000	53.1	55.4	56.3	57.0	58.2	58.3	59.2	59.6	59.7	60.1	60.7	60.9	61.5	61.6	61.7	62.2
≥16000	53.1	55.5	56.5	57.1	58.4	58.5	59.5	59.8	59.9	60.3	61.1	61.1	61.7	61.8	61.9	62.4
≥14000	53.3	55.7	56.7	57.3	58.6	58.7	59.7	60.0	60.1	60.5	61.3	61.3	61.9	62.0	62.2	62.6
≥12000	53.9	56.2	57.2	57.8	59.1	59.2	60.2	60.5	60.6	61.1	61.8	61.8	62.5	62.6	62.7	63.1
≥10000	55.4	56.0	59.1	59.6	61.3	61.4	62.4	62.7	62.8	63.2	64.0	64.0	64.6	64.7	64.8	65.3
≥8000	59.5	62.0	63.2	63.9	65.4	65.6	66.6	66.7	67.0	67.4	68.2	68.2	68.8	68.9	69.0	69.5
≥6000	60.6	63.4	64.6	65.3	66.8	67.0	68.0	68.3	68.4	68.8	69.6	69.6	70.2	70.2	70.4	70.9
≥4000	63.4	67.2	68.6	69.2	71.1	71.3	72.5	72.8	72.9	73.4	74.2	74.2	74.8	74.9	75.1	75.5
≥2000	64.4	68.5	69.9	70.6	72.7	73.0	74.2	74.5	74.6	75.2	75.9	75.9	76.6	76.7	76.8	77.2
≥1000	65.2	69.7	71.1	71.8	73.9	74.2	75.5	75.8	75.9	76.5	77.2	77.2	77.8	78.0	78.1	78.5
≥500	66.0	71.0	72.4	73.2	75.6	76.1	77.7	78.1	78.2	78.7	79.6	79.6	80.2	80.3	80.4	80.9
≥250	66.2	71.2	72.6	73.4	75.8	76.3	78.0	78.3	78.4	78.9	79.8	79.8	80.4	80.5	80.6	81.1
≥125	67.1	72.2	73.7	74.7	77.1	77.6	79.2	79.6	79.7	80.2	81.1	81.1	81.8	81.9	82.0	82.5
≥62.5	67.4	72.7	74.3	75.4	77.7	78.3	79.9	80.2	80.3	80.9	81.7	81.7	82.5	82.6	82.7	83.1
≥31.25	68.0	73.8	75.6	76.8	79.4	80.0	81.6	81.9	82.2	82.9	83.8	83.8	84.6	84.7	84.9	85.5
≥15.625	66.7	74.9	76.8	78.0	80.8	81.4	83.2	83.8	84.0	84.7	85.6	85.6	86.7	86.8	87.0	87.5
≥7.8125	65.0	75.8	77.8	79.0	81.8	82.5	84.4	85.1	85.3	86.0	87.1	87.1	88.2	88.3	88.7	89.2
≥3.90625	65.2	76.1	78.3	79.5	82.3	82.9	84.8	85.5	85.7	86.5	87.5	87.6	88.7	88.8	89.2	89.8
≥1.953125	70.0	77.3	79.6	80.6	83.8	84.4	86.5	87.2	87.4	88.3	89.5	89.5	90.6	91.0	91.4	91.9
≥0.9765625	70.2	77.7	80.0	81.2	84.4	85.1	87.1	88.0	88.2	89.7	90.9	90.9	92.0	92.4	92.8	93.3
≥0.48828125	70.9	78.5	81.1	82.5	86.0	86.7	88.8	89.7	89.9	91.8	93.1	93.3	94.6	94.9	95.5	96.0
≥0.244140625	71.2	79.1	81.8	83.2	86.8	87.4	89.6	90.6	90.9	92.9	94.3	94.5	95.8	96.1	96.7	97.2
≥0.1220703125	71.4	79.5	82.2	83.5	87.2	87.8	90.0	91.1	91.3	93.3	94.9	95.2	96.7	97.2	97.7	98.3
≥0.06103515625	71.5	79.6	82.4	83.8	87.4	88.1	90.2	91.3	91.5	93.8	95.4	95.6	97.1	97.6	98.2	98.7
≥0.030517578125	71.8	79.9	82.7	84.1	87.7	88.4	90.5	91.6	91.8	94.1	95.7	95.9	97.4	98.0	98.5	99.1
≥0.0152587890625	71.8	80.0	82.8	84.2	87.8	88.5	90.8	91.8	92.0	94.3	95.9	96.1	97.6	98.2	98.7	99.4
≥0.00762939453125	71.8	80.0	82.9	84.3	88.0	88.6	90.9	91.9	92.2	94.4	96.0	96.2	97.7	98.3	98.9	99.5
≥0.003814697265625	71.8	80.0	82.9	84.3	88.0	88.6	90.9	91.9	92.2	94.4	96.0	96.2	97.7	98.3	98.9	99.5
≥0.0019073486328125	71.8	80.0	82.9	84.3	88.0	88.6	91.0	92.0	92.3	94.5	96.2	96.5	98.0	98.5	99.0	99.7
≥0.00095367431640625	71.8	80.0	82.9	84.3	88.0	88.6	91.0	92.0	92.3	94.5	96.2	96.5	98.0	98.5	99.0	99.7

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

STATION NAME

73-82

YEAR

144

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

8-2-73

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	48.6	50.8	51.6	52.2	52.8	53.0	54.0	54.3	54.3	54.4	54.8	54.8	55.1	55.1	55.1	55.3
≥ 20000	52.8	55.1	55.9	56.5	57.4	57.6	58.6	58.9	58.9	59.0	59.5	59.5	59.7	59.7	59.8	60.0
≥ 18000	53.0	55.3	56.1	56.7	57.6	57.8	58.8	59.1	59.1	59.2	59.7	59.7	59.9	59.9	60.0	60.2
≥ 16000	53.0	55.3	56.1	56.7	57.6	57.8	58.8	59.1	59.1	59.2	59.7	59.7	59.9	59.9	60.0	60.2
≥ 14000	53.7	55.9	56.8	57.3	58.3	58.5	59.5	59.8	59.8	59.9	60.3	60.3	60.5	60.5	60.6	60.9
≥ 12000	55.1	57.3	58.2	58.7	59.7	59.9	60.9	61.2	61.2	61.3	61.7	61.7	61.9	61.9	62.0	62.3
≥ 10000	58.9	61.2	62.0	62.6	63.9	64.1	65.1	65.4	65.4	65.5	65.9	65.9	66.1	66.1	66.2	66.5
≥ 9000	59.6	61.8	62.7	63.2	64.5	64.7	65.7	66.1	66.1	66.1	66.6	66.6	66.8	66.8	66.9	67.1
≥ 8000	63.4	65.8	66.8	67.3	68.6	68.8	69.8	70.2	70.2	70.3	70.8	70.8	71.0	71.0	71.1	71.3
≥ 7000	64.4	67.1	68.2	68.7	70.0	70.2	71.2	71.6	71.6	71.7	72.2	72.2	72.4	72.4	72.5	72.7
≥ 6000	65.4	68.5	69.5	70.1	71.4	71.6	72.6	73.0	73.0	73.1	73.5	73.5	73.8	73.9	73.9	74.1
≥ 5000	66.7	70.2	71.7	72.7	74.1	74.4	75.4	75.8	75.8	75.9	76.3	76.3	76.5	76.6	76.7	76.9
≥ 4500	67.5	71.2	72.7	73.7	75.1	75.4	76.3	76.8	76.8	76.9	77.3	77.3	77.5	77.5	77.6	77.8
≥ 4000	68.4	72.4	73.9	74.9	76.7	77.2	78.3	78.8	78.8	78.9	79.4	79.4	79.6	79.6	79.7	79.9
≥ 3500	69.0	73.1	74.7	75.8	77.5	78.1	79.2	79.8	79.8	79.9	80.3	80.3	80.5	80.5	80.6	80.9
≥ 3000	69.6	74.0	75.7	76.7	78.9	79.5	80.6	81.2	81.3	81.5	82.2	82.2	82.4	82.4	82.5	82.8
≥ 2500	70.4	75.5	77.8	79.0	81.1	81.6	82.9	83.5	83.9	84.1	84.8	84.8	85.1	85.1	85.3	85.5
≥ 2000	71.4	77.1	79.6	80.8	82.9	83.5	84.8	85.7	85.9	86.2	87.0	87.0	87.2	87.2	87.4	87.6
≥ 1800	71.7	77.5	80.0	81.2	83.3	84.0	85.3	86.1	86.3	86.7	87.4	87.4	87.6	87.6	87.8	88.1
≥ 1600	72.4	78.6	81.1	82.4	84.7	85.4	86.7	88.0	88.4	88.7	89.6	89.6	90.0	90.0	90.2	90.4
≥ 1400	73.5	80.1	82.8	84.1	86.7	87.3	88.6	90.0	90.4	90.9	91.8	91.9	92.3	92.3	92.5	92.7
≥ 1200	75.4	82.2	84.9	86.2	88.9	89.6	90.9	92.4	92.8	93.4	94.8	94.9	95.3	95.3	95.5	95.8
≥ 900	75.8	82.6	85.4	86.7	89.4	90.0	91.3	92.8	93.2	93.9	95.4	95.5	95.8	95.8	96.0	96.3
≥ 800	76.2	83.0	85.8	87.1	89.8	90.4	91.7	93.2	93.7	94.4	96.2	96.3	96.7	96.7	96.9	97.2
≥ 700	76.5	83.2	86.0	87.3	90.1	90.8	92.0	93.7	94.1	94.8	97.1	97.2	97.5	97.5	97.7	98.2
≥ 600	76.8	83.7	86.5	87.8	90.6	91.3	92.6	94.2	94.6	95.4	97.7	98.0	98.3	98.3	98.5	98.9
≥ 500	76.9	83.8	86.6	88.0	90.8	91.4	92.7	94.3	94.7	95.5	97.8	98.1	98.4	98.4	98.6	99.0
≥ 400	77.1	84.0	86.8	88.2	91.0	91.6	92.9	94.5	94.9	95.7	98.1	98.3	98.6	98.6	98.8	99.2
≥ 300	77.1	84.2	87.1	88.4	91.2	91.8	93.1	94.7	95.2	95.9	98.3	98.5	98.8	98.8	99.0	99.5
≥ 200	77.1	84.2	87.1	88.5	91.3	91.9	93.2	94.8	95.3	96.1	98.5	98.7	99.0	99.0	99.2	99.7
≥ 100	77.1	84.2	87.1	88.5	91.3	91.9	93.2	94.8	95.3	96.1	98.5	98.7	99.0	99.0	99.2	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINCI AFB ND

73-02

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

112-2322

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	51.3	52.9	53.2	53.5	54.3	54.5	55.2	55.4	55.4	55.6	56.2	56.2	56.5	56.6	56.6	56.7
≥20000	53.7	56.6	57.3	57.3	58.1	58.3	58.9	59.1	59.1	59.4	59.8	60.0	60.2	60.3	60.3	60.4
≥18000	53.9	56.8	57.2	57.5	58.3	58.5	59.1	59.4	59.4	59.5	60.0	60.2	60.4	60.5	60.5	60.6
≥16000	53.9	56.8	57.2	57.5	58.3	58.5	59.1	59.4	59.4	59.6	60.0	60.2	60.4	60.5	60.5	60.6
≥14000	54.1	57.0	57.4	57.7	58.5	58.7	59.4	59.6	59.6	59.8	60.2	60.4	60.6	60.8	60.8	60.9
≥12000	54.3	56.0	56.5	56.8	57.6	57.8	60.4	60.6	60.6	60.9	61.3	61.5	61.7	61.8	61.8	61.9
≥10000	58.9	62.0	62.6	63.0	63.9	64.1	64.7	64.9	64.9	65.2	65.6	65.8	66.0	66.1	66.1	66.2
≥9000	59.9	63.1	63.7	64.2	65.1	65.3	65.7	66.1	66.1	66.3	66.8	67.0	67.2	67.3	67.3	67.4
≥8000	62.4	65.6	66.2	66.8	67.7	68.0	68.6	68.8	68.9	69.0	69.5	69.7	69.9	70.0	70.0	70.1
≥7000	63.5	66.8	67.4	68.0	69.0	69.2	69.9	70.1	70.1	70.3	70.8	71.0	71.2	71.3	71.3	71.4
≥6000	64.2	67.6	68.3	68.8	70.0	70.3	71.0	71.2	71.2	71.4	71.8	72.0	72.3	72.4	72.4	72.5
≥5000	65.5	69.5	70.2	70.8	72.0	72.5	73.1	73.3	73.3	73.5	74.0	74.2	74.4	74.5	74.5	74.6
≥4500	66.8	70.6	71.5	72.0	73.3	73.8	74.4	74.6	74.6	74.8	75.3	75.5	75.7	75.8	75.8	75.9
≥4000	67.8	72.2	73.3	74.0	75.6	76.1	76.9	77.1	77.1	77.3	77.7	78.0	78.2	78.3	78.3	78.4
≥3500	69.2	72.6	73.8	74.6	76.6	77.3	78.1	78.4	78.4	78.6	79.0	79.2	79.5	79.6	79.6	79.7
≥3000	69.1	73.7	74.9	76.2	78.5	79.5	80.2	80.5	80.5	81.0	81.4	81.6	81.8	81.9	81.9	82.0
≥2500	69.8	74.7	76.2	77.6	80.0	81.0	81.7	82.0	82.0	82.5	82.9	83.1	83.3	83.4	83.4	83.5
≥2000	70.5	76.1	77.7	79.5	82.2	83.1	83.9	84.2	84.2	84.8	85.3	85.5	85.7	85.8	85.8	85.9
≥1800	71.1	76.7	78.3	80.0	82.7	83.7	84.5	84.8	84.8	85.5	85.9	86.1	86.3	86.5	86.5	86.6
≥1600	72.5	78.2	80.1	81.9	84.8	85.8	86.9	87.3	87.3	88.1	88.5	88.7	88.9	89.0	89.0	89.1
≥1400	73.5	79.6	81.5	83.3	86.2	87.2	88.7	89.4	89.5	90.3	90.9	91.1	91.3	91.4	91.4	91.5
≥1200	74.3	80.5	82.5	84.3	87.2	88.2	89.9	90.6	90.8	91.7	92.5	92.7	93.0	93.1	93.1	93.4
≥1000	74.5	80.8	82.7	84.6	87.5	88.5	90.2	91.0	91.1	92.0	92.8	93.0	93.3	93.4	93.4	93.6
≥900	74.7	81.0	82.9	84.8	87.7	88.7	90.4	91.4	91.5	92.6	93.4	93.7	94.0	94.1	94.1	94.4
≥800	75.2	81.5	83.4	85.4	88.3	89.2	91.0	91.9	92.0	93.2	94.3	94.5	94.8	94.9	95.2	95.5
≥700	75.4	81.8	83.8	85.7	88.7	89.7	91.4	92.4	92.5	94.1	95.3	95.5	95.8	95.9	96.1	96.5
≥600	75.4	81.8	83.8	85.7	88.7	89.7	91.4	92.4	92.5	94.1	95.3	95.5	95.8	95.9	96.1	96.5
≥500	75.4	81.8	83.8	85.7	88.7	89.7	91.4	92.4	92.5	94.1	95.3	95.5	95.8	95.9	96.1	96.5
≥400	75.4	81.8	83.8	85.7	88.7	89.7	91.4	92.4	92.5	94.1	95.3	95.5	95.8	95.9	96.1	96.5
≥300	75.9	82.7	84.6	86.7	89.7	90.8	92.6	93.5	93.7	95.9	97.2	97.6	98.0	98.1	98.3	98.7
≥200	76.0	82.9	84.8	87.0	90.1	91.3	93.1	94.1	94.2	96.5	97.7	98.2	98.5	98.6	98.8	99.2
≥100	76.0	82.9	84.8	87.0	90.1	91.3	93.1	94.1	94.2	96.5	97.7	98.2	98.6	98.7	98.9	99.7
≥50	76.0	82.9	84.8	87.0	90.1	91.3	93.1	94.1	94.2	96.5	97.7	98.2	98.6	98.7	98.9	99.7
≥20	76.0	82.9	84.8	87.0	90.1	91.3	93.1	94.1	94.2	96.5	97.7	98.2	98.6	98.7	98.9	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-67

YEAR

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	49.8	51.7	52.6	53.3	54.3	54.4	54.9	55.4	55.5	55.9	56.4	56.5	56.7	56.8	56.8	57.0
1800	52.3	55.3	56.3	57.2	58.1	58.2	58.8	59.3	59.4	59.8	60.4	60.6	60.9	61.0	61.1	61.1
1600	52.5	55.5	56.5	57.2	58.3	58.4	59.0	59.5	59.5	60.0	60.6	60.6	60.9	61.0	61.1	61.3
1400	52.5	55.6	56.6	57.2	58.4	58.5	59.0	59.5	59.6	60.1	60.6	60.7	61.0	61.0	61.1	61.3
1200	53.0	56.0	57.0	57.7	58.9	59.0	59.6	60.0	60.1	60.6	61.1	61.2	61.5	61.5	61.5	61.9
1000	54.0	57.1	58.2	58.9	60.1	60.2	60.7	61.2	61.3	61.3	62.3	62.4	62.7	62.7	62.8	63.0
800	57.4	60.7	61.8	62.5	63.7	63.9	64.5	65.0	65.0	65.5	66.1	66.1	66.4	66.5	66.5	66.6
600	58.3	61.7	62.5	63.5	64.7	64.9	65.5	66.0	66.1	66.6	67.1	67.2	67.5	67.5	67.6	67.8
400	61.0	64.7	65.8	66.6	67.9	68.1	68.8	69.3	69.3	69.9	70.5	70.6	70.9	70.9	71.0	71.2
200	62.3	66.1	67.3	68.1	69.5	69.7	70.4	70.9	71.0	71.5	72.1	72.2	72.5	72.6	72.6	72.9
100	63.2	67.2	68.4	69.3	70.7	70.9	71.6	72.1	72.2	72.7	73.3	73.4	73.7	73.8	73.9	74.1
50	64.5	68.8	70.2	71.1	72.7	73.3	73.8	74.3	74.4	75.0	75.6	75.7	76.0	76.0	76.1	76.3
25	65.2	69.5	70.9	72.0	73.6	73.9	74.6	75.2	75.3	75.9	76.5	76.5	76.9	76.9	77.0	77.2
12.5	66.2	70.6	72.4	73.4	75.2	75.6	76.4	77.0	77.1	77.8	78.4	78.5	78.8	78.9	78.9	79.2
6.25	66.7	71.5	73.1	74.2	76.1	76.5	77.3	78.0	78.1	78.7	79.4	79.4	79.8	79.8	79.9	80.1
3.125	67.5	72.7	74.4	75.7	77.7	78.1	79.1	79.7	79.9	80.7	81.3	81.4	81.8	81.8	82.0	82.2
1.5625	68.3	73.9	75.9	77.0	79.4	79.9	80.9	81.6	81.7	82.5	83.2	83.3	83.7	83.8	83.9	84.1
0.78125	69.1	75.2	77.3	78.7	81.1	81.6	82.6	83.3	83.6	84.5	85.2	85.3	85.7	85.8	85.9	86.2
0.390625	69.5	75.7	77.9	79.4	81.8	82.3	83.5	84.4	84.5	85.4	86.2	86.3	86.7	86.8	86.9	87.2
0.1953125	70.3	76.8	79.1	80.6	83.2	83.6	84.9	85.9	86.1	87.1	87.9	88.0	88.4	88.5	88.7	89.0
0.09765625	71.3	78.1	80.5	82.0	84.8	85.3	86.6	87.8	88.1	89.4	90.2	90.3	90.8	91.0	91.2	91.4
0.048828125	72.3	79.4	81.8	83.4	86.4	86.9	88.4	89.6	89.9	91.4	92.5	92.6	93.2	93.3	93.5	93.8
0.0244140625	72.6	79.9	82.4	84.0	87.1	87.6	89.0	90.3	90.6	92.1	93.3	93.4	94.0	94.2	94.4	94.7
0.01220703125	72.9	80.2	82.7	84.4	87.5	88.0	89.5	90.9	91.1	92.7	94.0	94.2	94.9	95.1	95.3	95.6
0.006103515625	73.1	80.4	83.0	84.7	87.8	88.3	89.8	91.3	91.5	93.2	94.6	94.7	95.4	95.6	95.9	96.3
0.0030517578125	73.3	80.7	83.3	85.0	88.1	88.7	90.2	91.7	92.0	93.7	95.2	95.3	96.0	96.2	96.5	96.9
0.00152587890625	73.5	81.1	83.7	85.4	88.6	89.2	90.8	92.3	92.6	94.5	96.0	96.2	96.9	97.1	97.4	97.6
0.000762939453125	73.5	81.2	83.9	85.7	89.0	89.6	91.2	92.7	93.0	95.0	96.5	96.7	97.4	97.6	97.9	98.3
0.0003814697265625	73.6	81.3	84.0	85.8	89.1	89.7	91.3	92.9	93.2	95.2	96.8	97.0	97.8	98.1	98.4	98.8
0.00019073486328125	73.6	81.4	84.1	85.9	89.2	89.8	91.5	93.1	93.4	95.5	97.1	97.3	98.1	98.5	98.7	99.2
0.000095367431640625	73.6	81.4	84.1	85.9	89.2	89.8	91.5	93.1	93.4	95.5	97.1	97.4	98.2	98.6	98.8	99.7

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-37

YEAR

FEB

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

727-7277

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥ 2000	52.1	52.6	52.8	53.1	53.4	53.5	53.5	53.7	53.9	54.1	54.1	54.1	54.1	54.4	54.4	54.4
1800	54.7	55.2	55.4	55.7	56.1	56.3	56.4	56.7	56.7	57.0	57.0	57.0	57.0	57.2	57.2	57.2
1600	54.9	55.3	55.6	55.8	56.3	56.4	56.5	56.9	56.9	57.1	57.1	57.1	57.1	57.3	57.3	57.3
1400	54.8	55.3	55.6	55.8	56.3	56.4	56.5	56.9	56.9	57.1	57.1	57.1	57.1	57.3	57.3	57.3
1200	55.1	55.4	55.7	55.9	56.4	56.5	56.6	57.0	57.7	57.2	57.2	57.2	57.2	57.4	57.4	57.4
1000	55.9	56.4	56.6	56.9	57.3	57.4	57.6	57.9	57.9	58.2	58.2	58.2	58.2	58.4	58.4	58.4
800	56.7	58.6	58.9	59.1	59.6	59.7	59.8	60.2	60.7	60.4	60.4	60.4	60.4	60.5	60.5	60.5
600	56.6	59.3	59.6	59.8	60.3	60.4	60.5	60.9	60.9	61.1	61.1	61.1	61.1	61.3	61.3	61.3
400	57.4	61.3	61.6	61.8	62.6	62.8	63.0	63.4	63.4	63.6	63.6	63.6	63.6	63.8	63.8	63.8
200	61.1	62.1	62.3	62.5	63.4	63.5	63.7	64.1	64.1	64.3	64.3	64.3	64.3	64.5	64.5	64.5
100	61.8	62.8	63.0	63.2	64.1	64.2	64.4	64.6	64.8	65.0	65.0	65.0	65.0	65.2	65.2	65.2
50	63.6	64.8	65.4	65.7	66.7	66.8	67.1	67.5	67.5	67.7	67.7	67.7	67.7	68.0	68.0	68.0
25	64.2	65.8	66.5	66.9	67.8	68.1	68.3	68.7	68.7	68.9	68.9	68.9	68.9	69.1	69.1	69.1
10	64.9	67.1	68.2	68.7	69.7	69.9	70.4	70.9	70.9	71.3	71.3	71.3	71.3	71.5	71.5	71.5
5	65.7	68.3	69.5	70.2	71.3	71.4	72.0	72.5	72.5	72.8	72.8	72.8	72.8	73.2	73.2	73.3
2	67.0	70.1	71.5	72.2	73.4	73.8	74.3	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5	75.7
1	68.1	71.6	73.3	74.1	75.8	76.2	76.8	77.5	77.5	77.9	77.9	77.9	77.9	78.3	78.3	78.4
0.5	69.6	73.5	75.9	76.7	78.7	79.2	79.9	80.9	80.9	81.2	81.2	81.2	81.2	81.6	81.6	81.7
0.25	70.9	76.1	79.6	79.6	81.6	82.0	82.7	83.7	83.7	84.2	84.2	84.2	84.2	84.5	84.5	84.6
0.1	72.9	78.7	81.2	82.2	84.5	85.1	85.8	86.8	86.9	87.4	87.4	87.4	87.4	87.7	87.7	87.8
0.05	73.8	80.4	83.1	84.2	86.8	87.4	88.1	89.2	89.7	90.2	90.5	90.5	90.5	90.8	90.8	91.0
0.025	73.9	80.6	83.5	84.6	87.5	88.1	88.9	90.4	90.9	91.4	91.7	91.7	91.7	92.1	92.1	92.2
0.01	74.3	81.1	83.9	85.1	87.9	88.5	89.4	90.9	91.4	91.8	92.3	92.3	92.3	92.7	92.7	92.8
0.005	74.5	81.4	84.3	85.5	89.3	88.9	89.7	91.4	91.8	92.3	93.0	93.0	93.0	93.4	93.5	93.6
0.0025	75.1	82.3	85.5	87.1	90.1	90.6	91.6	93.6	94.1	94.7	95.4	95.6	95.6	96.0	96.1	96.2
0.001	75.2	82.6	85.8	87.5	90.4	91.3	92.2	94.3	94.8	95.4	96.1	96.3	96.3	96.7	96.8	96.9
0.0005	75.2	83.1	86.4	88.1	91.0	91.8	92.8	94.9	95.4	96.3	97.0	97.3	97.3	97.6	97.8	97.9
0.00025	75.2	83.1	86.5	88.2	91.3	92.1	93.3	95.5	96.1	97.2	98.1	98.3	98.5	98.8	98.9	99.2
0.0001	75.2	83.1	86.5	88.2	91.3	92.1	93.3	95.6	96.2	97.9	98.8	99.1	99.2	99.5	99.8	100.0
0.00005	75.2	83.1	86.5	88.2	91.3	92.1	93.3	95.6	96.2	97.9	98.8	99.1	99.2	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 546

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-02

520

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0400

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
100	47.3	47.8	48.2	48.3	49.4	49.4	49.5	49.8	49.8	49.9	49.9	49.9	49.9	49.9	50.4	50.6
150	50.9	51.4	52.7	52.1	53.2	53.2	53.3	53.5	53.5	53.7	53.7	53.7	53.7	53.7	54.1	54.4
200	51.3	51.8	52.4	52.5	53.5	53.5	53.7	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.5	54.7
250	51.7	52.4	53.7	53.1	54.1	54.1	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.6	55.1	55.3
300	52.7	53.2	53.9	53.9	55.7	55.1	55.2	55.6	55.6	55.7	55.7	55.7	55.7	55.7	56.1	56.4
350	55.3	56.3	56.9	57.1	58.7	58.2	58.3	58.6	58.6	58.7	58.7	58.7	58.7	58.7	59.2	59.5
400	56.6	57.7	58.3	58.4	59.5	59.6	59.7	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.6	60.9
450	57.0	60.0	60.5	60.9	61.9	62.1	62.2	62.5	62.5	62.6	62.6	62.6	62.6	62.6	63.1	63.4
500	59.7	60.8	61.3	61.7	62.8	62.9	63.0	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.9	64.2
550	60.3	61.3	61.9	62.3	63.4	63.5	63.6	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.5	64.8
600	61.2	63.2	63.6	63.9	65.7	65.1	65.2	65.6	65.6	65.7	65.7	65.7	65.7	65.7	66.2	66.4
650	63.1	64.3	65.7	65.4	66.4	66.5	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.6	67.8
700	63.5	65.7	66.8	67.5	68.9	69.1	69.4	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.4	70.8
750	64.7	67.0	68.2	68.5	70.7	70.9	71.3	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.5	72.8
800	65.6	68.2	69.4	70.1	71.9	72.2	72.7	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.8	74.2
850	66.4	69.6	71.2	72.0	73.8	74.1	74.6	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.9	76.2
900	68.7	72.5	74.5	75.7	77.5	78.2	78.6	79.4	79.4	79.7	79.7	79.7	79.7	79.7	80.3	80.6
950	69.7	73.6	75.7	76.8	79.7	79.4	80.0	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.7	82.0
1000	70.3	74.5	76.7	78.0	80.7	81.2	81.8	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.5	83.9
1050	71.3	76.1	79.1	80.5	83.7	84.2	84.8	85.8	85.8	86.1	86.2	86.2	86.3	86.4	86.9	87.2
1100	72.0	77.2	80.5	82.0	85.2	85.7	86.6	87.8	87.6	88.2	88.3	88.4	88.5	88.7	89.1	89.5
1150	72.3	77.5	81.9	82.4	85.6	86.1	87.0	88.3	88.4	88.8	88.9	89.0	89.1	89.2	89.7	90.1
1200	72.9	78.1	81.6	83.1	86.3	86.6	87.7	89.0	89.1	89.5	89.6	89.7	89.8	90.1	90.5	90.9
1250	73.3	79.7	82.4	83.9	87.4	87.8	88.8	90.1	90.3	90.7	91.0	91.1	91.3	91.6	92.2	92.6
1300	73.5	79.3	82.9	84.4	87.8	88.4	89.4	90.7	90.9	91.5	91.8	92.0	92.2	92.6	93.1	93.5
1350	73.6	79.9	83.6	85.1	88.7	89.2	90.2	91.6	91.8	92.6	92.9	93.0	93.3	93.6	94.2	94.6
1400	73.6	80.4	84.5	86.3	90.0	90.8	91.7	93.3	93.6	94.8	95.2	95.3	95.5	95.9	96.5	97.0
1450	73.8	80.5	84.8	86.5	90.2	91.0	92.2	94.1	94.4	95.9	96.2	96.3	96.7	97.3	97.9	98.6
1500	73.8	80.5	84.8	86.5	90.2	91.0	92.2	94.1	94.4	96.3	96.8	97.0	97.4	98.0	98.6	99.5
1550	73.8	80.5	84.8	86.5	90.2	91.0	92.2	94.1	94.4	96.3	96.8	97.2	97.5	98.1	98.8	100.0
1600	73.8	80.5	84.8	86.5	90.2	91.0	92.2	94.1	94.4	96.3	96.8	97.2	97.5	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-82

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

922-4522

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	20	24	24	24	24	24	24	24	24	24	24	24	24	24
1000	43.3	45.1	46.2	45.4	45.2	45.2	46.5	46.6	46.7	46.7	46.7	46.9	47.2	47.4	47.5	47.6
900	44.1	47.9	48.1	46.2	47.1	49.1	49.3	49.4	49.5	49.5	49.5	49.8	50.2	50.2	50.5	50.6
800	45.1	47.9	48.1	48.2	49.1	49.1	49.3	49.4	49.5	49.5	49.5	49.8	50.2	50.2	50.5	50.6
700	46.2	46.0	49.1	49.3	49.2	49.2	49.4	49.5	49.6	49.6	49.6	49.9	50.1	50.4	50.5	50.6
600	46.6	48.5	48.6	48.8	49.6	49.6	49.9	50.0	50.1	50.1	50.1	50.4	50.6	50.8	51.1	51.1
500	47.1	49.1	49.2	49.4	50.2	50.2	50.5	50.6	50.7	50.7	50.7	50.9	51.2	51.4	51.7	51.7
400	50.9	53.2	53.3	53.5	54.4	54.4	54.5	54.7	54.8	54.8	54.8	55.1	55.3	55.6	55.8	55.8
300	51.9	54.3	54.4	54.6	55.4	55.4	55.7	55.8	55.9	55.9	55.9	56.1	56.4	56.6	56.9	56.9
200	53.9	56.4	56.5	56.7	57.6	57.6	57.8	57.9	58.1	58.1	58.1	58.3	58.5	58.7	58.7	58.7
100	54.6	57.2	57.4	57.7	59.5	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
50	55.7	58.4	58.5	58.9	59.7	59.7	59.9	60.0	60.0	60.2	60.2	60.4	60.6	60.9	61.1	61.1
20	57.2	60.0	60.3	60.6	61.5	61.5	61.7	61.8	61.9	61.9	61.9	62.2	62.4	62.6	62.9	62.9
10	58.2	61.1	61.2	61.8	62.6	62.6	62.9	63.0	63.1	63.1	63.1	63.4	63.6	63.8	64.1	64.1
5	59.3	62.6	63.1	63.8	64.8	64.9	65.2	65.5	65.6	65.6	65.6	65.8	66.1	66.3	66.5	66.5
2	60.0	63.5	63.9	64.7	65.7	65.8	66.2	66.4	66.7	67.0	67.0	67.3	67.5	67.7	68.0	68.0
1	60.9	64.7	65.1	66.2	67.5	67.8	68.2	68.6	69.0	69.3	69.3	69.5	69.7	70.0	70.2	70.2
0.5	61.5	65.7	66.5	67.7	69.6	70.0	70.6	70.9	71.4	71.9	71.9	72.1	72.3	72.6	72.9	72.9
0.2	63.2	68.1	69.0	70.6	72.7	73.2	73.8	74.3	74.8	75.4	75.4	75.7	75.9	76.1	76.4	76.4
0.1	64.4	69.7	70.7	72.2	74.5	74.9	75.5	76.1	76.6	77.2	77.2	77.4	77.7	77.9	78.1	78.1
0.05	65.5	71.2	72.1	73.6	76.4	76.8	77.9	78.5	79.0	79.7	79.7	79.9	80.1	80.4	80.5	80.5
0.02	67.3	73.5	74.9	77.0	79.7	80.3	81.6	82.3	82.7	83.5	83.5	83.7	83.9	84.2	84.4	84.4
0.01	68.2	74.5	75.7	78.1	80.9	81.7	83.0	83.8	84.7	85.3	85.7	86.2	86.4	86.6	87.0	87.0
0.005	69.4	76.2	77.9	79.9	82.6	83.5	84.9	85.3	86.3	87.4	87.7	88.2	88.4	88.8	89.0	89.0
0.002	69.5	76.8	78.5	80.6	83.3	84.2	85.6	86.6	87.1	88.2	88.5	89.0	89.4	89.7	90.0	90.0
0.001	70.0	77.7	79.4	81.6	84.3	85.1	86.6	87.8	88.3	89.4	89.7	90.2	90.5	90.8	91.5	91.5
0.0005	70.6	78.7	80.6	82.9	85.9	86.8	88.3	89.5	90.0	91.0	91.5	92.0	92.4	92.8	93.4	93.4
0.0002	70.8	79.2	81.2	83.5	87.0	87.9	89.7	91.1	91.6	92.7	93.1	93.6	94.1	94.4	95.0	95.0
0.0001	70.8	79.3	81.3	83.6	87.4	88.3	90.2	91.7	92.3	93.9	94.4	94.9	95.5	96.0	96.7	96.7
0.00005	70.9	79.4	81.6	83.8	87.7	88.7	90.7	92.4	93.1	95.0	95.7	96.3	96.9	97.5	98.2	98.5
0.00002	70.9	79.4	81.6	83.8	87.7	88.7	90.8	92.6	93.3	95.4	96.5	97.0	97.6	98.2	98.9	99.3
0.00001	70.9	79.4	81.6	83.8	87.7	88.7	90.8	92.6	93.3	95.4	96.5	97.0	97.6	98.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 946

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7675 MINOT AFB ND

73-02

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-1-1973

CEILING FEET	VISIBILITY: STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	43.5	44.7	45.0	46.3	47.2	47.2	47.8	47.7	48.7	48.2	49.5	48.6	49.7	48.3	49.4	48.5
18000	47.3	42.6	51.2	50.5	51.3	51.3	52.7	52.1	52.2	52.5	52.9	52.8	53.1	53.2	53.5	53.2
16000	47.9	49.4	50.5	51.1	51.0	51.9	52.6	52.7	52.9	53.1	53.4	53.4	53.7	53.8	54.4	54.5
14000	43.3	49.9	51.1	51.5	52.4	52.4	53.1	53.2	53.3	53.5	53.9	53.7	54.1	54.3	54.8	55.0
12000	44.6	50.1	51.3	51.8	52.7	52.8	53.5	53.7	53.8	54.0	54.4	54.4	54.6	54.7	55.3	55.4
10000	49.8	51.3	52.5	53.0	53.9	54.0	54.7	54.8	55.7	55.2	55.5	55.6	55.3	55.5	55.5	56.6
8000	51.5	53.2	54.5	55.2	55.3	56.4	57.2	57.3	57.4	57.7	58.0	58.0	58.3	58.4	59.7	59.1
6000	52.7	54.5	55.2	56.5	57.6	57.7	58.5	58.6	58.7	59.1	59.3	59.3	59.6	59.7	60.7	62.4
4000	55.4	57.4	59.2	59.7	60.8	61.0	61.8	61.9	62.1	62.4	62.9	62.8	63.7	63.1	63.7	63.6
2000	58.2	58.0	59.6	60.3	61.3	61.6	62.5	62.8	62.8	63.2	63.5	63.6	63.8	63.9	64.5	64.7
1000	57.1	59.1	60.9	61.5	62.5	62.8	63.7	63.9	64.1	64.4	64.8	64.8	65.7	65.1	65.7	65.8
500	58.3	61.3	62.1	62.9	64.2	64.4	65.4	65.6	65.7	65.1	66.4	66.4	66.7	66.8	67.4	67.5
250	58.4	61.4	62.2	63.1	64.3	64.5	65.5	65.8	65.7	66.3	66.8	66.8	67.7	67.1	67.7	67.8
125	57.2	61.2	63.1	63.2	65.2	65.6	66.9	67.0	67.7	68.1	68.5	68.6	68.8	68.2	69.5	69.0
62.5	58.6	62.1	64.1	64.9	65.7	67.1	68.4	69.1	69.3	69.6	71.2	71.2	71.4	71.7	71.7	71.4
31.25	59.5	62.5	64.8	65.7	66.0	66.4	68.2	70.8	72.9	71.3	71.9	71.9	72.1	72.3	72.9	73.1
15.625	60.0	63.4	65.6	66.5	67.1	69.7	71.5	72.5	72.6	73.4	74.0	74.0	74.3	74.6	75.2	75.3
7.8125	61.6	64.1	66.7	67.6	71.8	71.4	73.3	74.2	74.5	75.3	75.9	76.7	76.4	76.6	77.2	77.3
3.90625	60.8	64.3	66.9	68.1	71.3	71.9	74.7	75.2	75.7	76.1	76.7	76.3	77.2	77.4	78.7	76.1
1.953125	61.2	65.1	68.0	69.3	72.8	73.4	76.2	77.2	77.4	78.7	79.4	79.6	79.9	81.1	82.7	82.2
0.9765625	64.1	68.0	72.9	72.5	76.6	77.3	80.1	81.6	82.7	83.5	84.4	84.5	84.9	85.1	85.7	85.3
0.48828125	64.8	68.8	71.7	73.6	73.4	79.2	82.6	84.5	85.3	87.4	88.7	88.4	88.9	89.1	89.6	89.7
0.244140625	65.4	69.5	72.6	74.6	79.4	80.4	84.0	86.1	87.1	89.4	90.3	90.4	90.9	91.1	91.7	91.8
0.1220703125	65.7	71.1	73.2	75.2	80.1	81.1	84.8	86.9	87.9	90.3	91.3	91.4	91.9	92.1	92.7	92.5
0.06103515625	65.3	70.4	73.8	75.8	81.7	81.8	85.8	88.1	89.1	91.5	92.4	92.6	93.1	93.4	94.1	94.2
0.030517578125	65.6	72.4	73.9	76.0	81.0	82.2	86.2	88.5	89.6	92.2	93.1	93.3	94.7	94.2	94.2	95.1
0.0152587890625	65.5	72.7	74.1	76.2	81.3	82.5	86.5	89.3	91.2	92.9	94.1	94.2	94.9	95.3	96.7	96.0
0.00762939453125	65.3	71.7	74.7	76.6	81.7	82.9	87.0	89.7	92.9	94.1	95.7	96.7	96.7	97.1	97.8	98.7
0.003814697265625	65.3	71.7	74.2	76.6	81.7	82.9	87.0	89.8	91.4	94.7	95.7	97.0	97.9	98.2	99.9	99.6
0.0019073486328125	65.3	71.7	74.2	76.6	81.7	82.9	87.0	89.8	91.5	94.9	97.7	97.4	98.2	98.6	99.3	100.0
0.00095367431640625	65.3	72.7	74.2	76.6	81.7	82.9	87.0	89.8	91.5	94.9	97.7	97.4	98.2	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 45

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707575
STATION

MINOT AFB ND

73-80

545

STATION NAME

STATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-1951

ELEVATION FEET	VISIBILITY IN MILES																			
	200	26	35	44	53	62	71	80	90	100	110	120	130	140	150	160	170	180	190	200
0	41.3	44.0	44.4	45.2	45.5	46.0	45.9	47.0	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
10	45.4	48.2	49.3	49.6	51.2	51.3	51.7	51.8	52.1	53.0	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
20	48.5	49.5	50.4	51.9	52.5	52.6	53.0	53.1	53.4	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
30	46.5	49.6	50.7	51.1	52.6	52.7	53.1	53.2	53.5	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
40	47.3	50.4	51.4	51.6	53.3	53.4	53.8	53.9	54.3	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
50	48.6	51.7	52.7	53.1	54.6	54.7	55.1	55.2	55.5	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
60	50.0	54.1	55.3	56.1	58.7	58.8	58.5	58.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
70	51.2	54.7	55.9	56.7	58.6	58.9	59.3	59.5	59.8	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
80	54.3	59.0	60.9	61.6	64.1	64.3	64.8	65.1	65.5	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
90	65.6	65.7	61.9	63.0	65.5	65.3	66.3	66.6	67.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
100	67.0	61.2	63.4	64.8	67.4	67.7	68.2	68.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
110	67.3	61.9	64.5	65.7	68.4	68.8	69.3	69.9	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
120	67.3	61.9	64.7	65.3	68.6	68.9	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
130	68.2	62.6	65.5	66.7	69.6	70.0	70.8	71.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
140	68.4	63.2	66.1	67.3	70.6	71.0	72.1	73.0	73.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
150	68.4	63.7	66.5	67.8	71.3	71.7	72.9	74.0	74.5	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
160	69.2	64.7	67.8	69.0	73.2	73.6	74.9	76.0	76.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
170	69.9	66.0	69.6	71.0	75.7	76.2	77.5	79.0	79.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
180	69.4	66.5	70.2	72.3	76.4	77.2	78.6	80.4	81.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
190	61.2	68.8	72.2	74.7	79.1	80.2	81.6	83.8	84.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
200	62.4	69.6	73.9	76.5	81.3	82.6	84.2	86.5	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
210	63.2	70.6	74.5	77.5	82.7	84.0	85.8	88.2	89.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
220	63.5	71.2	75.7	78.5	83.8	85.3	87.4	89.8	90.7	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
230	63.8	71.5	76.1	79.0	84.5	86.0	88.2	90.7	91.5	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
240	63.8	71.9	76.5	79.3	85.1	86.9	88.9	91.5	92.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
250	63.8	72.1	76.8	79.7	85.5	87.4	89.5	92.2	93.0	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
260	63.9	72.2	77.3	79.8	85.6	87.5	89.7	92.9	93.7	96.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
270	63.9	72.2	77.7	79.8	85.7	87.6	89.8	93.2	94.0	96.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
280	63.9	72.2	77.7	79.8	85.7	87.6	89.8	93.2	94.0	96.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
290	63.9	72.2	77.7	79.8	85.7	87.6	89.8	93.2	94.0	96.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
300	63.9	72.2	77.7	79.8	85.7	87.6	89.8	93.2	94.0	96.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 46

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

107575 MINOT AFB MO STATION NAME

73-32 YEAR

546

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-1700

ELEVATION FEET	VISIBILITY STAT IN MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
0-100	42.3	45.2	46.7	47.8	48.8	49.1	49.8	50.2	50.2	50.6	50.7	51.7	50.7	50.7	50.7	50.9
101-200	45.5	48.8	51.5	51.4	52.5	52.7	53.5	54.3	54.2	54.5	54.7	54.7	54.7	54.7	54.7	54.8
201-300	48.5	49.6	51.4	52.2	53.3	53.5	54.4	55.1	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.7
301-400	46.7	49.9	51.7	52.5	53.5	53.6	54.6	55.3	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.9
401-500	47.5	50.8	52.6	53.4	54.5	54.7	55.6	56.3	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.9
501-600	43.6	51.6	53.5	54.5	55.6	55.6	56.6	57.3	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.9
601-700	51.7	54.1	55.9	57.1	58.2	58.4	59.2	59.9	59.9	60.3	60.4	60.4	60.4	60.4	60.4	60.5
701-800	51.4	54.8	56.7	57.8	59.0	59.2	60.2	60.8	60.8	61.1	61.2	61.2	61.2	61.2	61.2	61.3
801-900	54.4	57.9	60.4	61.7	63.0	63.4	64.2	65.0	65.0	65.5	65.6	65.6	65.6	65.6	65.6	65.7
901-1000	55.2	59.0	61.7	63.1	64.4	64.8	65.6	66.4	66.4	66.9	67.0	67.0	67.0	67.0	67.0	67.1
1001-1100	56.9	60.6	63.4	64.7	66.2	66.5	67.4	68.2	68.2	68.7	68.8	68.8	68.8	68.8	68.8	68.9
1101-1200	58.4	62.4	65.4	66.8	68.4	68.8	69.6	70.5	70.6	71.0	71.3	71.3	71.3	71.3	71.3	71.4
1201-1300	59.6	62.6	65.6	67.0	68.7	69.0	69.9	70.8	70.8	71.3	71.5	71.5	71.5	71.5	71.5	71.6
1301-1400	59.1	63.2	66.4	67.8	69.9	70.2	71.0	72.1	72.1	72.6	72.8	72.8	72.8	72.8	72.8	72.9
1401-1500	59.9	64.1	67.7	69.3	71.5	72.1	72.9	74.0	74.0	74.5	74.7	74.7	74.7	74.7	74.7	74.8
1501-1600	60.9	65.2	69.4	71.2	74.1	74.7	75.7	76.7	76.8	77.5	78.0	78.0	78.0	78.0	78.0	78.1
1601-1700	61.7	66.4	71.0	73.0	76.4	77.0	77.9	79.0	79.1	79.8	80.4	80.4	80.4	80.4	80.4	80.5
1701-1800	62.4	66.9	72.9	74.8	78.5	79.1	80.2	81.4	81.6	82.7	83.7	83.7	83.7	83.7	83.7	83.8
1801-1900	62.6	66.7	73.8	75.7	79.3	80.1	81.3	82.5	82.6	84.0	84.6	84.6	84.6	84.6	84.6	84.9
1901-2000	64.4	70.8	75.4	78.5	82.4	83.5	84.6	86.1	86.2	87.9	88.5	88.7	88.7	88.7	88.7	89.0
2001-2100	65.5	72.2	78.7	80.5	84.9	86.2	87.7	89.1	89.2	91.4	92.0	92.1	92.1	92.1	92.1	92.2
2101-2200	66.4	73.6	79.6	82.2	86.8	88.2	90.2	91.7	91.8	94.0	94.7	94.8	94.8	94.8	94.8	95.0
2201-2300	66.5	74.1	79.9	82.8	87.2	89.0	91.0	92.6	92.7	94.8	95.7	95.9	95.9	95.9	95.9	96.2
2301-2400	66.5	74.2	80.0	82.7	87.8	89.6	91.5	93.1	93.3	95.4	96.3	96.5	96.5	96.5	96.5	96.8
2401-2500	66.7	74.6	80.4	83.1	88.2	90.0	92.2	93.7	93.9	96.0	96.9	97.0	97.0	97.0	97.0	97.4
2501-2600	67.0	74.9	80.7	83.5	88.5	90.3	92.6	94.1	94.2	96.3	97.6	97.8	97.8	97.8	97.8	98.1
2601-2700	67.3	75.1	80.9	83.6	88.8	90.5	92.9	94.4	94.6	96.7	98.0	98.1	98.1	98.1	98.1	98.6
2701-2800	67.3	75.1	80.9	83.6	88.9	90.7	93.6	95.3	95.4	97.5	98.8	98.9	98.9	98.9	98.9	99.4
2801-2900	67.3	75.1	80.9	83.6	88.9	90.7	93.9	95.6	95.7	97.9	99.2	99.3	99.3	99.3	99.3	99.5
2901-3000	67.3	75.1	80.9	83.6	88.9	90.7	93.9	95.6	95.7	97.9	99.2	99.3	99.3	99.3	99.3	99.5
3001-3100	67.3	75.1	80.9	83.6	88.9	90.7	93.9	95.6	95.7	97.9	99.2	99.3	99.3	99.3	99.3	99.5
3101-3200	67.3	75.1	80.9	83.6	88.9	90.7	93.9	95.6	95.7	97.9	99.2	99.3	99.3	99.3	99.3	99.5

TOTAL NUMBER OF OBSERVATIONS 46

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707675
STATION

MINOT AFB ND

73-87

682

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-2-2001

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	46.1	46.7	49.5	49.6	51.8	51.2	51.2	51.2	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3
800	52.2	54.3	55.6	55.7	56.9	57.2	57.2	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5
600	52.5	54.5	56.0	56.1	57.3	57.7	57.7	57.8	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1
400	53.1	55.1	56.5	56.7	57.9	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
200	53.2	55.2	56.7	56.9	58.0	58.4	58.4	58.5	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7
100	54.7	56.9	58.5	58.6	59.8	60.2	60.2	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5
50	55.1	58.6	60.3	60.4	61.6	61.9	61.9	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
25	56.6	59.1	61.0	61.1	62.4	62.6	62.9	62.9	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1
10	57.9	60.4	62.3	62.5	64.1	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
5	59.3	62.1	63.9	64.4	66.1	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
2	59.7	62.4	64.3	64.8	66.4	66.8	66.8	66.9	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3
1	60.7	64.1	66.0	66.4	68.1	68.4	68.7	68.8	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5
0.5	61.5	64.8	66.7	67.1	68.8	69.1	69.4	69.5	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.2
0.25	62.1	65.6	67.5	68.0	69.9	70.2	70.4	70.6	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3
0.1	63.2	67.3	69.4	69.9	71.9	72.2	72.6	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4
0.05	64.1	68.7	71.0	71.6	74.0	74.0	74.8	75.2	75.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2
0.025	65.4	71.2	73.8	74.3	77.2	77.3	78.0	78.4	78.8	79.2	79.7	79.7	79.7	79.7	79.7	79.7
0.01	66.7	73.0	76.0	76.8	79.9	80.3	81.0	81.6	82.0	82.5	83.0	83.0	83.0	83.0	83.0	83.0
0.005	67.0	73.6	76.8	77.7	80.9	81.2	81.9	82.5	83.1	83.7	84.2	84.2	84.2	84.2	84.2	84.2
0.0025	68.1	75.1	79.0	79.9	83.2	83.7	84.4	85.2	85.9	86.9	87.5	87.5	87.5	87.5	87.5	87.5
0.001	69.4	76.8	81.1	82.5	86.2	86.8	87.6	88.4	89.2	90.3	90.9	90.9	90.9	90.9	90.9	90.9
0.0005	70.0	77.9	82.0	83.7	87.6	88.2	89.4	90.3	91.1	92.5	93.3	93.3	93.3	93.3	93.3	93.3
0.00025	70.6	78.5	83.0	84.6	88.5	89.1	90.4	91.4	92.3	93.9	94.6	94.6	94.6	94.6	94.6	94.6
0.0001	70.9	79.0	83.5	85.1	89.0	89.6	91.0	92.0	93.0	94.3	95.5	95.5	95.5	95.5	95.5	95.5
0.00005	71.2	79.3	83.9	85.6	89.5	90.1	91.7	92.7	93.7	95.5	96.3	96.3	96.3	96.3	96.3	96.3
0.000025	71.5	79.8	84.4	86.3	90.2	90.8	92.4	93.4	94.4	96.2	97.2	97.2	97.2	97.2	97.2	97.2
0.00001	71.6	79.9	84.5	86.5	90.4	91.0	92.7	93.6	94.7	96.5	97.4	97.4	97.4	97.4	97.4	97.4
0.000005	71.6	80.1	84.8	86.8	90.8	91.4	93.5	94.4	95.5	97.4	98.5	98.5	98.5	98.5	98.5	98.5
0.0000025	71.9	80.4	85.0	87.0	91.1	91.7	94.1	95.0	96.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2
0.000001	71.9	80.4	85.0	87.0	91.1	91.7	94.1	95.0	96.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2
0.0000005	71.9	80.4	85.0	87.0	91.1	91.7	94.1	95.0	96.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 546

CEILING VERSUS VISIBILITY

ن-۳۷

12-2400

TOTAL NUMBER OF OBSERVATIONS 242

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

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 HINDOT AFB ND

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
0	40.2	47.4	48.2	48.5	47.5	49.6	49.8	50.0	50.1	50.4	50.4	51.4	51.5	50.6	51.8	51.0
100	49.5	51.3	52.1	52.5	53.5	53.6	53.9	54.1	54.2	54.4	54.5	54.6	54.7	54.7	54.9	55.0
200	49.9	51.7	52.6	52.9	53.9	54.0	54.3	54.6	54.6	54.9	54.9	55.0	55.1	55.2	55.3	55.4
300	50.1	52.0	52.3	53.1	54.1	54.2	54.6	54.8	54.9	55.1	55.2	55.2	55.3	55.4	55.6	55.6
400	50.5	52.4	53.2	53.5	54.5	54.7	55.0	55.2	55.3	55.5	55.6	55.6	55.8	55.8	55.7	55.1
500	51.5	53.5	54.3	54.6	55.6	55.8	56.1	56.4	56.4	56.7	56.8	56.8	56.9	57.1	57.1	57.2
600	53.9	56.1	57.0	57.4	58.5	58.6	59.0	59.2	59.3	59.5	59.6	59.6	59.8	59.8	60.0	60.0
700	54.8	57.0	58.0	58.4	59.5	59.7	60.0	60.3	60.4	60.6	60.7	60.7	60.9	60.9	61.1	61.1
800	57.1	59.5	60.7	61.2	62.4	62.6	63.0	63.3	63.4	63.7	63.7	63.8	63.9	64.0	64.1	64.2
900	57.3	60.5	61.7	62.3	63.6	63.6	64.2	64.5	64.6	64.9	65.0	65.0	65.1	65.2	65.3	65.4
1000	58.9	61.4	62.7	63.3	64.6	64.8	65.2	65.5	65.6	65.9	66.0	66.0	66.1	66.2	66.4	66.4
1100	60.1	62.9	64.3	65.0	66.4	66.6	67.0	67.4	67.5	67.8	68.0	68.0	68.1	68.2	68.3	68.4
1200	60.7	63.5	64.9	65.7	67.1	67.3	67.7	68.1	68.3	68.6	68.7	68.7	68.8	68.9	69.1	69.1
1300	61.5	64.6	66.2	67.0	68.7	68.9	69.5	70.1	70.2	70.5	70.6	70.7	70.9	70.9	71.0	71.1
1400	62.2	65.7	67.4	68.3	70.2	70.4	71.1	71.7	71.8	72.2	72.3	72.4	72.5	72.6	72.7	72.8
1500	63.7	66.9	68.9	69.9	72.0	72.4	73.2	73.8	74.0	74.5	74.7	74.7	74.8	74.9	75.1	75.2
1600	63.7	68.5	70.7	71.9	74.3	74.7	75.6	76.3	76.5	77.1	77.3	77.3	77.5	77.6	77.7	77.8
1700	65.1	70.2	72.7	74.0	76.8	77.2	78.2	79.1	79.3	80.0	80.2	80.3	80.5	80.6	80.7	80.8
1800	65.6	70.9	73.6	74.9	77.7	78.3	79.3	80.2	80.5	81.2	81.4	81.5	81.6	81.8	81.9	82.0
1900	66.8	72.6	75.6	77.0	80.2	80.8	82.0	83.0	83.3	84.2	84.5	84.6	84.7	84.8	85.0	85.1
2000	68.3	74.5	77.8	79.5	83.0	83.7	85.0	86.1	86.5	87.5	87.9	87.9	88.1	88.2	88.4	88.4
2100	69.1	75.8	79.2	81.0	84.8	85.6	87.1	88.4	88.9	90.2	90.8	90.9	91.1	91.2	91.4	91.5
2200	69.6	76.3	79.9	81.8	85.6	86.5	88.2	89.6	90.2	91.5	92.1	92.2	92.4	92.6	92.7	92.8
2300	69.8	76.8	80.3	82.3	86.2	87.1	88.8	90.2	90.8	92.3	92.9	93.0	93.2	93.4	93.5	93.6
2400	70.1	77.2	80.9	82.8	86.8	87.7	89.5	91.1	91.7	93.1	93.8	93.9	94.2	94.4	94.6	94.7
2500	70.4	77.7	81.4	83.5	87.6	88.6	90.4	92.0	92.7	94.2	95.0	95.1	95.4	95.6	95.8	95.9
2600	70.5	78.0	81.9	83.9	88.1	89.1	91.0	92.7	93.4	94.9	95.8	95.9	96.2	96.4	96.7	96.9
2700	70.5	78.1	82.0	84.2	88.5	89.6	91.7	93.6	94.3	96.1	97.0	97.2	97.5	97.8	98.0	98.3
2800	70.5	78.2	82.1	84.3	88.7	89.8	92.1	94.1	94.9	96.9	97.9	98.1	98.5	98.8	99.1	99.5
2900	70.5	78.2	82.1	84.3	88.7	89.8	92.2	94.2	95.0	97.1	98.2	98.4	98.8	99.1	99.4	99.9
3000	70.5	78.2	82.1	84.3	88.7	89.8	92.2	94.2	95.0	97.1	98.2	98.5	98.8	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 5766

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

443

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

737-470

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING 20000	53.3	55.0	56.5	56.8	57.2	57.2	57.6	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	58.0
20000	57.1	59.5	60.5	60.3	60.7	60.7	61.0	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.5
18000	57.5	59.3	60.3	60.6	61.0	61.0	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.8
16000	57.5	59.3	60.3	60.6	61.0	61.0	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.8
14000	58.2	60.1	61.0	61.4	61.8	61.8	62.1	62.2	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.6
12000	59.3	61.2	62.1	62.5	62.9	62.9	63.2	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.7
10000	62.4	64.3	65.3	65.6	66.1	66.1	66.4	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.8
8000	63.3	65.3	66.3	66.6	67.2	67.2	67.4	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.8
6000	64.9	66.8	67.8	68.1	68.6	68.6	68.9	69.0	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.4
4000	66.1	68.1	69.1	69.4	69.9	69.9	70.2	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.7
2000	66.9	69.1	70.1	70.4	70.8	70.8	71.2	71.3	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.7
1000	68.1	70.5	71.7	72.0	72.8	72.8	73.1	73.2	73.2	73.3	73.6	73.6	73.6	73.6	73.6	73.7
500	70.0	72.6	73.9	74.2	75.1	75.1	75.4	75.5	75.5	75.6	75.8	75.8	75.8	75.8	75.8	76.0
200	70.9	74.1	75.4	75.9	77.0	77.0	77.4	77.5	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.9
100	72.3	75.6	76.9	77.5	78.6	78.6	78.9	79.0	79.0	79.1	79.3	79.3	79.3	79.3	79.3	79.4
50	74.0	77.7	79.2	79.5	80.7	80.7	81.1	81.2	81.2	81.3	81.5	81.5	81.5	81.5	81.5	81.6
25	74.8	79.0	80.4	81.0	82.2	82.2	82.6	82.7	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.1
12.5	75.2	79.5	81.0	81.5	82.7	82.7	83.4	83.7	83.7	83.7	84.1	84.3	84.4	84.4	84.4	84.5
6.25	75.5	79.9	81.3	81.8	83.0	83.0	83.8	84.1	84.2	84.7	84.9	85.1	85.2	85.2	85.2	85.3
3.125	76.8	81.4	82.9	83.5	84.8	84.8	85.7	86.1	86.2	86.7	86.9	87.2	87.3	87.3	87.3	87.4
1.5625	78.6	83.4	85.1	85.7	87.5	87.7	88.8	89.3	89.4	90.0	90.7	90.4	90.5	90.5	90.5	90.6
0.78125	79.1	84.0	85.7	86.4	88.8	89.1	90.3	91.2	91.5	92.2	92.5	92.7	92.9	92.9	92.9	93.0
0.390625	79.5	84.4	86.2	86.8	89.3	89.7	91.1	91.9	92.3	92.9	93.3	93.5	93.7	93.7	93.7	93.8
0.1953125	79.9	85.1	86.9	87.8	90.6	91.0	92.4	93.3	93.6	94.2	94.6	94.8	95.2	95.3	95.3	95.4
0.09765625	80.1	85.5	87.6	88.6	91.5	91.8	93.3	94.1	94.5	95.1	95.4	95.6	96.1	96.2	96.2	96.3
0.048828125	80.1	85.5	87.6	88.6	91.5	91.8	93.4	94.2	94.6	95.2	95.5	95.6	96.2	96.3	96.3	96.4
0.0244140625	80.1	85.9	87.9	88.9	91.9	92.3	93.8	94.7	95.0	95.6	96.0	96.2	96.6	96.7	96.7	96.8
0.01220703125	80.1	85.9	88.1	89.2	92.4	92.6	94.3	95.4	95.9	96.5	96.8	97.1	97.5	97.7	97.7	97.8
0.006103515625	80.1	86.0	88.4	89.6	92.9	93.4	94.9	96.0	96.4	97.1	97.4	97.6	98.0	98.3	98.3	98.4
0.0030517578125	80.1	86.0	88.4	89.6	93.0	93.5	95.2	96.5	97.1	97.7	98.0	98.3	98.7	98.9	98.9	99.0
0.00152587890625	80.1	86.0	88.4	90.0	93.3	93.7	95.4	96.7	97.3	97.9	98.3	98.5	99.0	99.3	99.5	99.6
0.000762939453125	80.1	86.0	88.4	90.0	93.3	93.7	95.4	96.7	97.3	97.9	98.3	98.5	99.0	99.3	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 519

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-82 YEAR MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO. OF OBS.	54.2	58.4	56.9	57.1	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
20000	57.2	59.4	59.8	60.2	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
18000	57.3	59.4	59.8	60.2	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
16000	57.1	59.5	59.9	60.3	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
14000	57.3	59.7	60.2	60.5	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
12000	58.4	60.8	61.2	61.6	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
10000	59.7	62.2	62.6	63.0	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
8000	60.0	62.5	63.0	63.3	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
6000	62.1	64.9	65.4	65.7	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
4000	63.4	66.2	66.7	67.0	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2000	64.2	67.1	67.5	67.9	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
1000	65.2	69.4	69.8	70.2	70.5	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
500	67.5	71.0	71.4	71.9	72.1	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
200	69.4	73.3	73.7	74.3	74.6	74.7	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
100	71.1	75.0	75.5	76.0	76.3	76.4	76.4	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
50	72.5	76.9	77.3	77.9	78.2	78.3	78.3	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
25	74.1	78.6	79.0	79.6	80.0	80.1	80.1	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
12.5	74.5	79.0	79.6	80.1	80.6	80.7	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
6.25	75.5	80.1	80.7	81.2	81.7	81.8	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
3.125	76.4	81.1	81.8	82.3	82.7	83.0	83.5	83.7	83.7	83.9	84.3	84.3	84.3	84.3	84.3	84.3
1.5625	78.3	83.2	84.1	84.6	85.7	86.1	86.9	87.1	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7
0.78125	79.8	84.8	86.1	86.6	87.7	88.2	89.3	89.7	89.7	90.0	90.4	90.4	90.4	90.4	90.4	90.4
0.390625	79.9	85.2	86.5	87.2	88.2	88.6	89.7	90.1	90.1	90.6	91.0	91.0	91.0	91.0	91.0	91.0
0.1953125	80.1	85.8	87.3	87.9	88.9	89.5	90.6	91.0	91.1	91.5	92.0	92.1	92.1	92.1	92.1	92.1
0.09765625	80.2	85.9	87.5	88.2	89.4	89.9	91.0	91.6	91.7	92.3	92.7	92.8	92.8	92.8	92.8	92.8
0.048828125	80.5	86.2	88.1	88.7	89.9	90.4	91.5	92.2	92.3	92.9	93.4	93.6	93.6	93.6	93.6	93.6
0.0244140625	80.6	86.3	88.3	88.9	90.1	90.7	91.9	92.5	92.6	93.3	93.7	93.9	93.9	93.9	93.9	93.9
0.01220703125	80.9	86.8	88.7	89.5	90.8	91.3	92.5	93.4	93.6	94.4	94.8	95.0	95.0	95.0	95.0	95.0
0.006103515625	81.0	86.9	88.8	89.6	91.1	91.6	93.1	94.0	94.6	95.3	95.8	96.0	96.0	96.0	96.0	96.0
0.0030517578125	81.0	87.1	89.0	89.8	91.4	92.0	93.5	94.9	95.7	96.5	97.0	97.2	97.2	97.2	97.2	97.2
0.00152587890625	81.0	87.1	89.0	89.8	91.5	92.1	93.7	95.2	96.0	96.9	97.6	97.8	97.8	97.8	97.8	97.8
0.000762939453125	81.0	87.1	89.0	89.8	91.5	92.1	93.7	95.2	96.0	96.9	97.6	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 921

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB NO

73-82

462

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

437-2330

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	47.1	51.9	52.3	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
1 20000	51.6	54.4	54.8	55.3	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2 18000	51.8	54.7	55.2	55.6	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
3 17000	51.3	54.7	55.2	55.6	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
4 16000	52.1	55.3	55.5	55.9	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
5 15000	53.1	56.0	56.5	57.0	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
6 14000	54.8	57.9	58.3	59.0	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
7 13000	55.9	59.0	59.4	60.0	60.6	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
8 12000	56.0	61.2	61.9	62.6	63.3	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
9 11000	60.2	63.5	64.2	64.9	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
10 10000	61.0	64.4	65.0	65.8	66.4	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
11 9000	62.5	66.1	66.9	67.8	68.4	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
12 8000	63.6	67.2	68.0	68.8	69.6	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
13 7000	65.3	69.1	69.8	70.8	71.7	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
14 6000	66.1	70.2	71.1	72.2	73.2	73.6	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
15 5000	67.4	72.4	73.5	74.6	75.7	76.1	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
16 4000	68.3	73.1	74.2	75.2	76.3	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
17 3000	69.2	74.4	75.7	76.8	78.0	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
18 2000	70.4	75.7	77.1	78.2	79.6	80.1	80.5	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
19 1000	70.9	76.4	77.9	78.9	80.6	81.1	81.7	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2
20 500	72.3	78.7	80.5	81.8	83.5	84.0	84.8	85.1	85.3	85.7	85.8	85.8	85.8	85.8	85.9	85.9
21 400	72.9	79.5	81.3	82.6	84.6	85.1	86.3	86.8	87.1	87.5	87.8	87.8	87.8	87.8	88.1	88.1
22 300	73.3	80.2	82.1	83.4	85.6	86.2	87.5	88.1	88.4	89.0	89.5	89.5	89.5	89.6	89.9	89.9
23 200	73.4	80.7	82.5	83.8	86.0	86.6	88.1	88.6	88.9	89.8	90.2	90.2	90.4	90.4	90.8	91.0
24 100	73.8	81.2	83.1	84.4	86.5	87.2	88.6	89.1	89.5	90.3	90.8	90.9	91.4	91.4	91.7	92.1
25 50	74.2	82.0	84.0	85.5	87.6	88.3	89.8	90.3	90.7	91.5	92.1	92.4	93.1	93.1	93.4	93.7
26 40	74.5	82.4	84.7	86.3	88.5	89.1	90.7	91.2	91.5	92.4	92.9	93.3	94.0	94.0	94.4	94.7
27 30	74.7	83.1	85.5	87.1	89.5	90.1	91.7	92.6	93.2	94.0	94.6	94.9	95.8	95.8	96.1	96.4
28 20	74.8	83.3	85.7	87.4	90.1	90.8	92.6	93.9	94.9	95.9	96.6	97.0	97.8	97.8	98.2	98.6
29 10	74.8	83.3	85.7	87.4	90.1	90.8	92.6	94.1	95.2	96.5	97.4	97.7	98.7	98.8	99.2	100.0
30 0	74.8	83.3	85.7	87.4	90.1	90.8	92.6	94.1	95.2	96.5	97.4	97.7	98.7	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

927-110

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	47.6	49.6	51.1	52.6	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	52.4	52.7	53.2	53.7	54.5	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	53.9	53.4	54.0	54.5	55.3	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 16000	51.7	53.5	54.1	54.6	55.4	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	51.4	54.0	54.5	55.0	55.8	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 12000	52.2	55.2	55.7	56.2	57.2	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	55.3	59.3	59.7	60.3	61.2	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000	56.2	59.5	60.3	60.8	61.8	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	57.5	61.0	62.0	62.5	63.5	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 7000	59.9	63.6	64.7	65.5	66.4	66.9	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 6000	57.5	64.4	65.5	66.2	67.2	67.6	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	61.0	65.0	66.1	66.9	68.2	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500	61.1	65.4	66.4	67.2	68.3	68.7	69.1	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	62.0	67.0	68.2	69.1	70.4	70.8	71.2	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3500	63.1	68.2	69.5	70.4	71.7	72.1	72.5	72.9	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	64.1	69.4	70.7	71.7	73.3	73.7	74.2	74.7	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2500	65.7	71.1	72.5	73.5	75.2	75.7	76.1	76.6	76.9	77.0	77.2	77.2	77.2	77.2	77.2	77.2
≥ 2000	67.4	73.0	74.5	75.5	77.5	78.0	78.5	79.6	79.7	79.9	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800	67.5	73.3	74.9	75.8	78.0	78.5	79.0	80.1	80.2	80.5	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1600	68.4	74.3	75.8	76.8	79.4	79.9	80.9	82.2	82.5	82.7	83.3	83.3	83.3	83.4	83.4	83.5
≥ 1400	71.2	77.7	79.4	80.3	83.1	83.6	84.7	86.0	86.3	86.6	87.2	87.3	87.4	87.5	87.5	87.6
≥ 1200	72.1	78.7	80.6	81.5	84.3	84.8	86.0	87.4	87.8	88.2	88.7	88.8	88.9	89.0	89.0	89.5
≥ 1000	72.9	80.0	82.0	83.0	85.7	86.2	87.4	89.0	89.6	89.9	90.7	90.8	90.9	91.0	91.0	91.5
≥ 900	73.1	80.5	82.4	83.6	86.3	86.9	88.1	89.7	90.3	90.8	91.6	91.7	91.9	92.0	92.0	92.5
≥ 800	73.4	80.9	83.0	84.1	86.9	87.4	88.6	90.2	90.9	91.4	92.6	92.7	92.9	93.1	93.1	93.6
≥ 700	73.8	81.3	83.6	84.8	87.6	88.2	89.4	91.0	91.6	92.2	93.4	93.4	93.5	93.7	93.8	94.4
≥ 600	73.3	81.7	84.3	85.6	88.7	89.3	90.6	92.2	92.8	93.6	94.8	94.9	95.1	95.2	95.2	95.8
≥ 500	73.3	81.6	84.4	85.9	89.0	89.6	91.0	92.7	93.4	94.5	95.7	95.8	96.0	96.1	96.1	96.7
≥ 400	73.8	81.8	84.4	85.9	89.1	89.7	91.2	92.9	93.7	95.3	97.0	97.1	97.3	97.4	97.4	98.0
≥ 300	73.3	81.8	84.4	85.9	89.1	89.7	91.2	92.9	93.7	95.8	97.9	98.0	98.3	98.6	98.6	99.2
≥ 200	73.8	81.8	84.4	85.9	89.1	89.7	91.2	92.9	93.7	95.8	97.9	98.0	98.3	98.6	98.6	99.2
≥ 100	73.9	81.9	84.5	86.0	89.3	89.8	91.3	93.1	93.8	95.9	98.0	98.2	98.5	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-02

160

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-1955

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	52.1	53.9	54.6	54.7	54.7	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	55.5	56.7	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000	56.8	59.1	59.5	59.9	59.9	59.9	60.3	60.3	60.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 6000	56.2	59.2	59.9	60.4	60.4	60.4	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000	57.2	59.5	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 3000	59.2	61.8	62.5	62.8	62.8	62.8	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 2000	61.6	64.4	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 1800	62.1	65.7	65.9	66.2	66.2	66.2	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 1600	64.1	67.3	67.9	68.0	68.0	68.0	68.1	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4
≥ 1400	65.5	68.4	69.4	69.6	69.6	69.6	69.7	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0
≥ 1200	66.6	69.7	70.9	71.0	71.2	71.2	71.3	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1000	67.4	71.2	72.6	72.9	73.2	73.3	73.5	73.7	73.7	73.8	74.2	74.2	74.2	74.3	74.3	74.5
≥ 900	68.4	72.4	73.8	74.0	74.5	74.6	74.8	75.0	75.0	75.1	75.5	75.5	75.5	75.5	75.5	75.8
≥ 800	69.7	74.0	75.5	75.6	76.4	76.8	77.0	77.4	77.4	77.5	78.1	78.1	78.1	78.2	78.2	78.4
≥ 700	71.5	75.9	77.4	77.7	78.5	78.8	79.0	79.6	79.6	79.8	80.2	80.2	80.2	80.3	80.3	80.6
≥ 600	73.4	77.9	79.5	79.8	80.6	80.9	81.1	82.1	82.0	82.4	82.8	82.8	82.8	83.0	83.0	83.2
≥ 500	74.2	78.6	80.3	80.7	81.4	81.9	82.2	83.2	83.3	83.5	83.9	83.9	83.9	84.0	84.0	84.3
≥ 450	75.8	80.9	82.6	83.1	83.9	84.5	84.8	85.8	86.0	86.3	86.8	86.8	87.1	87.2	87.2	87.4
≥ 400	77.7	83.6	85.5	86.0	87.2	87.8	88.3	89.3	89.5	90.1	90.6	90.6	90.9	91.1	91.1	91.3
≥ 350	78.6	85.2	87.3	87.8	89.0	89.7	90.1	91.1	91.3	92.0	92.4	92.4	92.7	92.9	93.1	93.4
≥ 300	79.0	86.0	88.2	88.7	89.9	90.6	91.0	92.0	92.2	92.8	93.3	93.3	93.6	93.8	93.9	94.2
≥ 250	79.2	86.4	88.6	89.1	90.4	91.2	92.1	93.4	93.6	94.4	94.8	94.8	95.3	95.5	95.7	96.2
≥ 200	79.4	86.6	88.9	89.5	90.8	91.5	92.5	93.9	94.1	94.9	95.4	95.4	96.0	96.2	96.3	96.9
≥ 150	79.4	86.9	89.3	90.0	91.9	92.6	93.6	95.0	95.2	96.2	96.7	96.7	97.3	97.5	97.6	98.2
≥ 100	79.4	87.0	89.4	90.2	92.4	93.4	94.4	95.8	96.0	97.2	97.7	97.7	98.3	98.5	98.6	99.1
≥ 75	79.4	87.0	89.4	90.2	92.4	93.5	94.5	95.9	96.3	97.6	98.5	98.5	99.0	99.2	99.3	99.9
≥ 50	79.4	87.0	89.4	90.2	92.4	93.5	94.5	95.9	96.3	97.6	98.5	98.5	99.0	99.2	99.3	99.9
≥ 25	79.4	87.0	89.4	90.2	92.4	93.5	94.5	95.9	96.3	97.6	98.5	98.5	99.0	99.2	99.3	99.9

TOTAL NUMBER OF OBSERVATIONS 321

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFS ND

STATION NAME

73-82

YEAR

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-0-1777
MOB

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	52.6	54.1	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
18000	56.3	58.5	58.8	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
16000	57.3	59.5	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
14000	57.8	59.5	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
12000	58.4	60.3	60.6	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
10000	59.5	61.3	61.8	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
8000	62.1	64.3	64.7	64.8	65.0	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
6000	63.1	65.4	65.8	65.9	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
4000	65.6	68.2	68.6	68.7	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2000	66.8	69.6	70.0	70.1	70.4	70.4	70.5	70.5	70.6	70.7	70.9	70.9	70.9	71.0	71.0	71.0
1000	67.0	69.6	70.2	70.4	70.6	70.6	70.7	70.7	70.8	70.9	71.1	71.1	71.1	71.2	71.2	71.2
500	68.6	71.4	72.0	72.1	72.5	72.5	72.6	72.6	72.7	72.9	73.1	73.1	73.1	73.2	73.2	73.2
450	68.9	71.8	72.3	72.4	72.9	72.9	73.0	73.0	73.1	73.2	73.4	73.4	73.4	73.5	73.5	73.5
400	70.0	73.1	73.6	73.7	74.2	74.2	74.4	74.4	74.5	74.6	75.0	75.0	75.0	75.1	75.1	75.2
350	71.3	74.4	75.0	75.1	75.6	75.6	75.8	75.8	75.9	76.0	76.4	76.4	76.4	76.5	76.5	76.7
300	73.2	76.2	77.0	77.1	77.5	77.5	77.7	77.7	77.9	78.0	78.4	78.4	78.4	78.5	78.5	78.6
250	75.8	79.0	79.8	79.9	80.5	80.5	80.7	80.7	80.8	80.9	81.3	81.3	81.3	81.4	81.4	81.5
200	77.9	81.3	82.3	82.4	83.2	83.2	83.4	83.5	83.6	83.9	84.4	84.4	84.4	84.5	84.5	84.6
150	78.5	82.4	83.5	83.6	84.4	84.4	84.6	84.8	84.9	85.5	85.9	85.9	85.9	86.0	86.0	86.1
100	79.7	84.0	85.2	85.3	86.2	86.2	86.4	86.6	86.8	87.4	87.8	87.8	87.8	87.9	87.9	88.1
50	81.5	86.0	87.2	87.3	88.2	88.2	88.4	88.9	89.1	89.8	90.2	90.2	90.2	90.3	90.3	90.4
40	82.1	86.9	88.2	88.3	89.3	89.3	89.5	90.0	90.2	91.0	91.6	91.6	91.6	91.9	92.1	92.2
30	82.3	87.9	89.5	89.7	90.9	90.9	91.2	91.7	92.0	92.7	93.6	93.7	93.9	94.1	94.1	94.4
20	82.5	88.4	90.0	90.2	91.4	91.4	91.7	92.3	92.5	93.3	94.1	94.2	94.5	94.7	94.7	95.1
10	82.8	88.7	90.3	90.6	92.0	92.1	92.5	93.1	93.3	94.0	94.9	95.0	95.2	95.4	95.4	96.1
5	83.1	89.0	90.8	91.1	92.6	92.8	93.4	94.1	94.6	95.3	96.2	96.3	96.5	96.7	96.7	97.7
4	83.2	89.1	90.9	91.2	92.9	93.2	93.7	94.6	95.1	96.0	96.9	97.0	97.3	97.6	97.6	98.7
3	83.3	89.3	91.1	91.4	93.2	93.4	94.0	95.1	95.7	96.6	97.6	97.7	98.0	98.4	98.4	99.7
2	83.4	89.4	91.2	91.5	93.4	93.6	94.2	95.3	95.9	96.9	97.8	97.9	98.3	98.6	98.6	100.0
1	83.4	89.4	91.2	91.5	93.4	93.6	94.2	95.3	95.9	96.9	97.8	97.9	98.3	98.6	98.6	100.0
0	83.4	89.4	91.2	91.5	93.4	93.6	94.2	95.3	95.9	96.9	97.8	97.9	98.3	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 221

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-67

STATION NAME

YEAR

14-

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-1-2400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
2500	52.7	53.5	53.6	53.0	53.7	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2000	52.7	53.3	53.4	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
1800	57.5	59.3	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9
1600	57.8	59.6	59.7	59.7	59.9	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
1400	58.3	59.9	60.0	60.0	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
1200	62.6	61.7	61.8	61.8	62.2	62.1	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1000	62.3	64.6	64.7	64.7	65.7	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4
800	63.3	65.6	65.7	65.7	66.2	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3
600	65.3	67.9	68.1	68.1	68.5	68.6	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
400	66.3	69.3	69.5	69.5	70.1	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
200	67.1	70.1	70.4	70.4	71.0	71.1	71.1	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4
100	68.3	71.7	71.9	71.9	72.6	72.7	72.7	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
50	69.1	72.6	73.0	73.0	73.7	73.8	73.8	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
25	69.9	73.6	74.0	74.0	74.9	75.0	75.0	75.5	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8
12.5	70.6	74.3	74.9	75.0	75.8	75.9	76.2	76.4	76.4	76.7	76.8	76.8	76.8	76.8	76.8	76.8
6.25	73.0	76.8	77.7	77.9	78.6	78.7	79.2	79.3	79.7	79.5	79.7	79.7	79.7	79.7	79.7	79.7
3.125	75.2	79.4	80.5	80.6	81.4	81.5	82.0	82.2	82.7	82.5	82.7	82.7	82.7	82.8	82.8	82.8
1.5625	77.1	81.5	82.6	82.7	83.8	83.9	84.5	84.8	84.8	85.2	85.5	85.5	85.5	85.6	85.6	85.6
0.78125	77.6	82.2	83.3	83.4	84.5	84.8	85.5	85.7	85.7	86.1	86.3	86.3	86.3	86.4	86.4	86.4
0.390625	78.6	83.3	84.4	84.7	85.8	86.1	86.8	87.3	87.4	87.8	88.2	88.2	88.2	88.3	88.3	88.3
0.1953125	79.7	84.7	86.0	86.4	87.8	88.2	88.8	89.4	89.5	89.9	90.3	90.3	90.3	90.4	90.4	90.6
0.09765625	80.3	85.5	86.9	87.4	88.9	89.3	90.0	90.7	90.9	91.4	92.2	92.2	92.2	92.3	92.3	92.4
0.048828125	80.6	85.8	87.4	87.9	89.6	89.9	90.7	91.3	91.4	92.1	93.3	93.3	93.3	93.4	93.4	93.5
0.0244140625	80.7	86.3	87.9	88.5	90.1	90.4	91.2	92.0	92.1	92.7	94.0	94.0	94.0	94.1	94.1	94.4
0.01220703125	81.0	86.9	88.6	89.1	90.9	91.3	92.3	93.3	93.5	94.4	95.7	95.7	95.7	95.8	95.8	96.0
0.006103515625	81.0	87.0	88.9	89.5	91.3	91.7	92.8	93.9	94.1	95.0	96.3	96.3	96.3	96.5	96.7	97.0
0.0030517578125	81.3	87.4	89.6	90.1	92.2	92.6	93.7	95.0	95.3	96.5	97.9	97.9	98.0	98.3	98.5	98.7
0.00152587890625	81.3	87.6	89.8	90.3	92.5	92.9	94.0	95.3	95.7	97.0	98.4	98.4	98.5	98.7	98.9	99.3
0.000762939453125	81.3	87.6	89.8	90.3	92.5	92.9	94.0	95.3	95.7	97.5	98.9	98.9	99.0	99.3	99.5	100.0
0.0003814697265625	81.3	87.6	89.9	90.3	92.5	92.9	94.0	95.3	95.7	97.5	98.9	98.9	99.0	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 521

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

73-67

MAC

STATION NAME

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-1-1971

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	52.2	52.2	52.2	53.2	53.8	54.1	54.1	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.5
900	54.7	56.6	57.2	57.7	58.2	58.4	58.7	58.8	58.8	59.0	59.0	59.2	59.2	59.2	59.2	59.1
800	55.4	57.3	58.0	58.4	59.0	59.2	59.4	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.6
700	55.7	57.7	58.3	58.6	59.3	59.5	59.8	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.3
600	56.5	58.5	59.2	59.6	60.2	60.4	60.7	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.2
500	57.3	59.4	60.1	60.5	61.0	61.3	61.6	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	62.0
400	58.7	60.1	60.7	61.1	61.6	61.9	62.2	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.6
300	61.0	63.6	64.4	64.9	65.4	65.6	65.9	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.4
200	63.1	65.6	66.4	66.8	67.4	67.6	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.3
100	64.4	67.0	67.9	68.3	68.9	69.1	69.4	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
50	65.2	67.9	68.9	69.3	69.9	70.1	70.4	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.8
0	66.3	69.3	70.3	70.7	71.3	71.5	71.8	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.3
1000	67.7	71.3	72.3	72.7	73.2	73.4	73.8	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.2
900	69.9	72.8	74.2	74.9	75.4	75.6	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.4
800	70.2	74.2	75.6	76.3	77.0	77.3	77.6	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.1
700	71.9	76.2	77.7	78.6	80.1	80.3	80.6	80.8	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.3
600	72.9	77.4	78.9	79.6	81.3	81.5	81.8	82.0	82.2	82.4	82.6	82.6	82.6	82.6	82.6	82.7
500	73.9	78.6	80.3	81.2	82.8	83.0	83.5	83.8	83.9	84.1	84.4	84.4	84.4	84.4	84.4	84.5
400	74.0	78.8	80.6	81.5	83.1	83.4	83.8	84.2	84.3	84.5	84.9	84.9	84.9	84.9	84.9	85.0
300	75.3	80.1	81.9	83.0	84.7	84.9	85.3	85.9	86.0	86.4	86.7	86.7	86.7	86.7	86.7	86.8
200	77.0	82.2	84.2	85.4	87.5	87.6	88.4	88.9	89.0	89.6	89.9	89.9	89.9	89.9	89.9	90.0
100	77.7	82.9	85.1	86.3	89.5	89.6	89.4	90.1	90.2	91.0	91.5	91.5	91.5	91.5	91.5	91.6
50	78.1	83.4	85.9	87.3	89.7	90.1	90.9	91.5	91.6	92.4	93.0	93.0	93.0	93.0	93.0	93.1
0	78.5	83.7	86.2	87.7	90.2	90.6	91.4	92.1	92.2	93.0	93.7	93.7	93.7	93.7	93.7	93.8
1000	78.3	84.1	86.8	88.4	91.2	91.7	92.6	93.3	93.4	94.3	95.1	95.1	95.1	95.1	95.1	95.2
900	78.8	84.1	86.9	88.5	91.3	91.9	93.0	93.7	93.8	94.8	95.5	95.5	95.5	95.5	95.5	95.6
800	73.8	84.3	87.4	89.0	92.4	93.1	94.2	95.0	95.1	96.1	96.8	96.8	96.8	96.8	96.8	96.9
700	78.8	84.7	87.9	89.7	93.0	93.3	94.9	95.6	95.8	96.7	97.5	97.5	97.5	97.5	97.5	97.7
600	75.8	84.6	88.0	89.8	93.3	94.0	95.4	96.2	96.5	97.6	98.4	98.4	98.4	98.4	98.4	98.5
500	75.8	84.8	89.0	89.8	93.3	94.0	95.5	96.4	96.7	98.0	98.8	98.8	98.8	98.8	98.8	98.9
400	75.8	84.8	89.7	89.8	93.4	94.1	95.6	96.5	96.8	98.2	98.9	98.9	98.9	98.9	98.9	99.0
300	75.3	84.8	89.0	89.8	93.4	94.1	95.6	96.5	96.8	98.2	98.9	98.9	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS 119

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-57

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATISTICS															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	51.3	53.4	51.5	54.2	54.4	54.5	54.6	54.7	54.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3
900	55.1	57.2	57.7	58.1	58.3	58.4	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7
800	55.6	57.3	59.3	58.6	58.9	59.1	59.1	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
700	55.7	57.9	59.4	58.7	59.2	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4
600	55.1	58.4	59.9	59.2	59.5	59.6	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
500	57.3	59.7	62.2	60.5	62.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.4
400	59.9	62.5	63.7	62.3	63.8	63.9	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
300	61.7	63.3	63.3	64.1	64.6	64.7	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0
200	62.6	65.3	66.7	66.3	66.8	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.3	67.3
100	64.1	67.2	67.7	68.1	68.5	68.6	68.8	68.8	68.9	68.9	69.0	69.1	69.1	69.1	69.1	69.2
50	64.7	67.7	68.4	68.8	69.3	69.4	69.6	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9
25	65.2	68.1	69.2	70.3	70.9	71.0	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.6
15	66.8	70.2	71.1	71.4	72.0	72.1	72.3	72.4	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7
10	68.7	71.5	72.7	73.2	73.9	74.1	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
5	69.1	73.1	74.0	74.6	75.3	75.5	75.8	75.9	76.0	76.1	76.2	76.2	76.2	76.3	76.3	76.3
2	72.7	74.9	76.3	76.6	77.6	77.8	78.1	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
1	72.2	76.7	77.8	78.4	79.4	79.6	79.9	80.2	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.7
0.5	73.9	78.2	79.4	80.3	81.1	81.4	81.7	82.1	82.2	82.4	82.7	82.7	82.7	82.7	82.7	82.7
0.25	74.1	78.9	80.2	80.8	82.0	82.2	82.7	83.1	83.2	83.5	83.7	83.8	83.8	83.8	83.8	83.8
0.1	75.2	80.2	81.5	82.2	83.5	83.8	84.4	84.9	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5
0.05	77.1	82.4	84.0	84.7	86.3	86.7	87.4	88.1	88.2	88.6	89.1	89.1	89.1	89.1	89.2	89.2
0.025	77.8	83.4	85.1	85.9	87.6	88.0	88.9	89.6	89.9	90.4	90.9	91.0	91.1	91.2	91.2	91.4
0.01	78.2	84.1	86.7	86.7	88.6	89.0	89.9	90.7	91.9	91.6	92.2	92.2	92.2	92.2	92.2	92.2
0.005	78.4	84.6	86.5	87.3	89.2	89.7	90.6	91.4	91.7	92.3	93.2	93.1	93.3	93.5	93.5	93.8
0.0025	73.7	85.1	86.9	87.8	89.8	90.3	91.4	92.3	92.5	93.3	94.0	94.1	94.4	94.6	94.6	94.6
0.001	78.3	85.2	87.4	88.3	90.3	90.8	92.0	92.9	93.2	94.1	94.7	94.9	95.2	95.4	95.5	95.8
0.0005	74.0	85.5	87.8	88.6	91.1	91.6	92.8	93.8	94.1	95.1	95.7	95.8	96.3	96.4	96.5	96.9
0.00025	79.0	85.7	88.1	89.2	91.6	92.2	93.3	94.5	94.9	95.8	96.6	96.7	97.2	97.4	97.5	97.8
0.0001	79.1	85.8	88.2	89.3	91.9	92.4	93.7	94.9	95.5	96.6	97.4	97.6	98.1	98.2	98.3	98.7
0.00005	79.1	85.9	88.2	89.3	91.7	92.5	93.8	95.2	95.7	97.0	98.0	98.1	98.6	98.6	98.9	99.2
0.000025	79.1	85.9	88.2	89.4	92.7	92.5	93.9	95.3	95.9	97.1	98.2	98.3	98.8	98.8	99.1	99.3
0.00001	79.1	85.9	88.2	89.4	92.7	92.6	93.9	95.3	95.9	97.2	98.2	98.3	98.8	98.8	99.1	99.3

TOTAL NUMBER OF OBSERVATIONS 7354

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707575 MINOT AFB ND

73-02

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
600	57.4	58.6	59.8	60.3	60.3	60.3	60.3	60.3	60.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6
500	51.3	51.7	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7
400	51.3	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1
300	51.3	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1
200	51.2	51.3	52.3	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3
100	51.7	52.6	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8
80	53.6	54.7	55.4	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
60	54.3	55.1	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
40	55.7	56.9	57.4	58.2	58.4	58.4	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9
20	57.9	59.6	60.1	60.9	61.1	61.1	61.3	61.3	61.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5
10	57.1	71.1	71.6	72.3	72.6	72.6	72.8	72.8	72.8	73.3	73.7	73.7	73.7	73.7	73.7	73.7
500	71.5	73.5	74.1	74.9	75.1	75.1	75.2	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
400	72.3	74.8	75.3	76.1	76.3	76.3	76.5	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
300	74.1	76.9	77.4	78.2	78.4	78.4	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
200	75.2	78.2	78.5	79.6	79.9	80.0	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4
100	76.2	79.6	80.1	80.9	81.2	81.3	81.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
80	77.2	81.6	81.8	82.7	83.0	83.1	83.4	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7
60	78.7	82.6	83.9	84.8	85.2	85.3	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
40	78.9	83.1	84.6	85.4	85.9	86.1	86.3	86.3	86.7	86.5	86.6	86.6	86.6	86.6	86.6	86.6
20	80.0	84.4	86.7	86.9	87.3	87.4	87.8	87.8	87.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7
10	80.3	84.8	86.6	87.6	88.6	88.8	89.1	89.1	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4
500	81.3	85.4	89.1	89.6	90.4	90.7	91.1	91.2	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7
400	82.3	85.4	89.7	89.9	90.8	91.0	91.6	91.7	91.7	92.0	92.1	92.1	92.1	92.1	92.1	92.1
300	82.9	85.6	88.6	90.1	91.0	91.2	91.8	91.9	92.7	92.3	92.4	92.4	92.4	92.4	92.4	92.4
200	83.9	85.7	88.5	90.3	91.2	91.4	92.1	92.2	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8
100	84.1	86.2	89.4	91.0	92.0	92.2	92.9	93.1	93.4	93.3	93.9	93.9	93.9	93.9	93.9	93.9
80	84.2	86.4	89.9	91.4	92.7	93.2	93.9	94.1	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1
60	84.2	86.4	90.1	91.6	93.2	93.8	94.7	95.0	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
40	84.2	86.4	90.1	91.6	93.2	93.8	94.7	95.0	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
20	84.2	86.4	90.1	91.6	93.2	93.8	94.7	95.0	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
10	84.2	86.4	90.1	91.6	93.2	93.8	94.7	95.0	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 700

CEILING VERSUS VISIBILITY

73-42

~~122-2422~~

TOTAL NUMBER OF OBSERVATIONS _____ 520

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB MD

73-37

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	41.2	51.6	51.9	52.1	52.1	52.1	52.2	52.4	52.6	52.6	52.7	52.7	52.9	52.9	52.9	52.9
≥ 2000	52.3	54.4	54.7	55.1	55.1	55.1	55.2	55.6	55.7	55.7	55.3	55.3	55.9	55.9	55.9	55.9
1800	52.9	55.3	55.9	56.0	56.0	56.0	56.1	56.4	56.6	56.6	56.7	56.7	56.8	56.8	56.8	56.9
1600	53.3	55.8	56.2	56.4	56.4	56.4	56.6	56.9	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.3
1400	54.6	57.2	57.8	58.0	58.0	58.0	58.1	58.4	58.6	58.6	58.7	58.7	58.8	58.8	58.8	58.9
1200	56.9	59.6	60.1	60.3	60.3	60.3	60.4	60.8	60.9	60.9	61.0	61.0	61.1	61.1	61.1	61.2
1000	57.8	60.0	61.1	61.3	61.3	61.4	61.7	62.0	62.1	62.1	62.2	62.2	62.3	62.3	62.3	62.4
800	61.3	64.0	64.6	64.8	64.8	64.9	65.1	65.4	65.6	65.6	65.7	65.7	65.8	65.9	65.9	66.0
600	62.3	65.6	66.1	66.3	66.3	66.4	66.7	67.0	67.1	67.1	67.2	67.2	67.3	67.4	67.4	67.5
400	63.6	67.1	67.3	68.0	68.0	68.1	68.3	68.7	68.8	68.8	68.9	68.9	69.0	69.1	69.1	69.4
200	65.4	69.2	70.0	70.4	70.4	70.6	70.8	71.1	71.2	71.2	71.3	71.3	71.4	71.6	71.6	71.9
100	66.3	70.2	71.0	71.4	71.4	71.6	71.8	72.1	72.2	72.2	72.3	72.3	72.4	72.6	72.6	72.9
50	67.8	71.9	72.7	73.1	73.1	73.2	73.4	73.8	73.9	73.9	74.0	74.0	74.1	74.2	74.2	74.6
25	68.6	73.0	73.8	74.3	74.3	74.4	74.7	75.0	75.1	75.1	75.2	75.2	75.3	75.4	75.4	75.8
15	69.3	74.3	75.2	75.8	75.8	75.9	76.1	76.4	76.6	76.6	76.7	76.7	76.8	76.9	76.9	77.2
10	70.2	75.8	76.9	77.6	77.6	77.7	77.9	78.2	78.3	78.3	78.4	78.4	78.6	78.7	78.7	79.0
5	71.7	77.4	78.9	79.8	79.8	80.0	80.2	80.4	80.9	81.1	81.2	81.3	81.4	81.6	81.6	81.9
2	72.1	78.3	79.8	80.8	81.1	81.3	81.6	82.0	82.2	82.3	82.4	82.4	82.6	82.7	82.7	83.0
1	73.7	79.4	80.9	81.9	82.2	82.6	82.8	83.3	83.6	83.7	83.9	83.9	84.0	84.1	84.1	84.4
0.5	74.3	81.4	82.9	83.9	84.2	84.7	84.9	85.4	85.7	85.9	86.1	86.1	86.2	86.3	86.3	86.7
0.25	75.2	83.0	84.9	85.8	86.1	86.6	86.8	87.3	87.6	88.0	88.2	88.2	88.4	88.6	88.6	88.9
0.15	75.2	83.3	85.6	86.6	86.9	87.3	87.6	88.1	88.3	88.9	89.2	89.2	89.6	89.8	89.8	90.3
0.1	75.4	84.2	86.1	87.1	87.8	88.3	88.7	89.2	89.4	90.0	90.3	90.3	90.8	91.0	91.0	91.6
0.075	75.4	84.4	86.3	87.3	88.1	88.7	89.0	89.6	89.8	90.4	90.9	90.9	91.3	91.6	91.7	92.2
0.05	75.7	84.9	86.8	88.0	88.9	89.6	89.9	90.4	90.7	91.4	91.9	91.9	92.3	92.6	92.7	93.2
0.025	76.1	85.4	87.8	89.0	90.0	90.8	91.2	91.9	92.1	92.9	93.3	93.3	93.9	94.1	94.2	94.8
0.015	76.3	86.0	88.9	90.4	91.8	92.7	93.7	94.4	94.7	95.5	96.0	96.0	96.6	96.8	96.9	97.4
0.01	76.3	86.0	88.9	90.4	92.3	93.3	94.9	95.8	96.2	97.2	97.8	97.8	98.4	99.0	99.2	99.9
0.005	76.3	86.0	88.9	90.4	92.3	93.3	94.9	95.8	96.2	97.2	97.8	97.8	98.4	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-62

883

STATION NAME

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

727-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	52.6	53.2	53.3	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2 20000	54.7	55.7	55.8	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
2 8000	55.6	56.3	56.6	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
2 6000	55.7	56.4	56.7	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2 4000	55.3	57.3	57.6	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
2 3000	56.9	58.2	58.4	58.4	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
2 10000	55.4	59.8	60.0	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2 8000	55.3	61.1	61.3	61.3	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2 6000	63.7	65.4	65.7	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2 4000	65.4	67.1	67.3	67.3	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
2 3000	65.9	67.8	68.1	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2 10000	66.7	69.0	69.3	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
2 8000	67.3	69.7	70.0	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
2 6000	68.3	70.9	71.2	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
2 4000	69.5	72.3	72.6	72.6	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2 3000	71.0	74.0	74.1	74.1	74.6	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2 10000	72.3	75.3	75.9	76.0	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2 8000	74.8	78.4	79.2	79.6	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
2 6000	75.6	79.3	80.1	80.4	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
2 4000	77.3	81.1	81.7	82.2	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
2 3000	75.8	84.1	85.3	85.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2 10000	77.6	86.2	87.7	88.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
2 8000	77.9	86.8	88.4	89.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2 6000	80.3	87.7	89.8	90.7	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
2 4000	80.4	88.2	90.4	91.4	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
2 3000	80.7	88.6	91.7	92.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
2 10000	80.8	89.2	91.8	93.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
2 8000	80.8	89.2	91.8	93.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
2 6000	80.8	89.2	91.8	93.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 970

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-67 581

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1972

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	30	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. OF OBS.	49.7	51.3	51.6	50.0	51.0	51.0	51.2	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4
2-2000	44.4	55.6	55.6	56.6	56.2	56.2	56.4	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7
2-1800	55.2	55.3	56.6	56.6	57.0	57.0	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
2-1600	55.2	56.3	56.6	56.6	57.0	57.0	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
2-1400	55.9	57.0	57.2	57.4	57.7	57.7	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1
2-1200	56.9	56.4	58.7	58.9	59.1	59.1	59.3	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6
2-1000	58.3	61.0	61.2	61.4	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2-800	59.9	61.6	61.8	62.2	62.2	62.2	62.4	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
2-600	62.3	64.1	64.3	64.6	64.8	64.8	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2
2-400	63.1	64.9	65.1	65.3	65.6	65.6	65.8	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0
2-200	63.8	65.9	66.0	66.4	66.8	66.8	67.0	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3
2-000	65.6	68.3	68.7	68.9	69.2	69.2	69.4	69.4	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8
1-400	66.4	69.0	69.4	69.7	70.0	70.0	70.2	70.2	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6
1-200	67.9	71.7	72.1	72.3	72.7	72.7	72.9	72.9	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2
1-000	71.2	74.0	74.6	74.8	75.1	75.1	75.3	75.3	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7
1-800	75.0	77.9	78.4	78.7	79.0	79.0	79.2	79.2	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6
1-600	76.3	81.3	82.0	82.4	82.8	82.8	83.1	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4
1-400	80.4	84.1	84.9	85.3	85.7	85.7	86.0	86.0	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4
1-200	81.1	85.1	85.9	86.3	86.7	86.7	87.0	87.0	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4
1-000	82.2	86.7	87.6	88.0	88.3	88.3	88.7	88.7	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2
1-800	83.3	88.6	89.4	90.0	90.3	90.3	90.8	90.8	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7
1-600	84.2	89.8	90.8	91.3	91.9	91.9	92.3	92.3	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6
1-400	84.2	90.1	91.6	92.1	92.8	92.8	93.3	93.7	94.1	94.3	94.7	94.7	94.8	94.8	94.8	94.8
1-200	84.6	90.9	92.7	93.3	94.0	94.0	94.6	95.0	95.6	95.8	96.2	96.2	96.3	96.3	96.3	96.4
1-000	84.8	91.2	93.1	93.8	94.8	94.8	95.3	95.8	96.4	96.7	97.1	97.1	97.2	97.2	97.2	97.3
1-800	84.9	91.3	93.2	94.0	95.0	95.0	95.7	96.2	96.7	97.1	97.7	97.7	97.8	97.8	97.8	97.9
1-600	84.9	91.6	93.6	94.4	95.6	95.6	96.2	96.9	97.6	97.8	98.3	98.3	98.4	98.4	98.4	98.6
1-400	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.3	99.3	99.4	99.4	99.4	99.6
1-200	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-000	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-800	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-600	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-400	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-200	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-000	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

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

CEILING VERSUS VISIBILITY

72 75 75

MINOT AFB ND

73-02

442

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

62-1122

[illegible]TOTAL NUMBER OF OBSERVATIONS 922

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINCT AFB ND

73-02

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

8-2-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	51.3	51.6	51.7	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
9000	54.7	55.9	56.1	56.2	56.6	56.6	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
8000	56.5	57.7	57.9	58.0	58.4	58.4	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
7000	56.6	57.8	58.0	58.2	58.6	58.6	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
6000	57.1	58.4	58.6	58.8	59.1	59.1	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
5000	58.1	59.4	59.6	59.9	60.2	60.2	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
4000	59.5	60.8	61.0	61.4	61.7	61.7	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
3000	60.0	61.4	61.6	61.9	62.2	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2000	62.8	64.5	64.7	65.0	65.4	65.4	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
1000	64.5	66.5	66.8	67.1	67.5	67.5	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
500	65.8	68.2	68.5	68.8	69.3	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
400	66.9	71.3	71.7	72.0	72.5	72.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
300	67.6	72.3	72.7	73.1	73.5	73.5	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
200	73.5	76.6	77.3	77.8	78.4	78.4	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
100	75.6	78.8	79.6	80.3	81.2	81.2	81.5	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
50	78.2	81.8	82.6	83.3	84.3	84.3	84.6	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
25	79.6	84.7	85.5	86.3	87.3	87.3	87.8	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
15	81.1	87.0	88.0	88.8	90.1	90.2	90.6	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
10	81.3	87.2	88.3	89.1	90.4	90.5	91.0	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5
5	81.4	87.3	88.4	89.2	90.6	90.8	91.2	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
2	82.0	88.2	89.5	90.3	91.8	91.9	92.3	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1	82.2	88.4	89.9	90.6	92.3	92.4	93.0	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.5	82.4	88.9	90.3	91.4	93.1	93.2	93.8	94.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9
0.25	82.4	89.0	90.4	91.5	93.2	93.4	94.0	94.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1
0.15	82.5	89.3	90.9	92.1	94.0	94.2	94.8	95.4	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9
0.1	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.05	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.025	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.015	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.01	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.005	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.0025	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.0015	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.001	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.0005	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 635

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-87

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-3-2401

CEILING FEET	VISIBILITY STAT. IN MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	57.4	59.1	57.1	59.3	59.7	59.8	60.0	60.3	60.5	60.3	60.3	60.3	60.3	60.3	60.3	60.3
18000	60.1	62.3	62.3	62.6	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
16000	63.4	62.3	62.3	62.6	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
14000	62.6	62.6	62.6	62.6	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
12000	61.2	63.2	63.2	63.4	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
10000	63.6	65.7	65.7	65.9	66.2	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
9000	64.7	66.1	66.1	66.3	66.7	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
8000	67.2	69.4	69.4	69.6	70.3	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
7000	69.4	71.9	71.9	72.2	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
6000	70.9	73.3	73.3	73.7	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
5000	73.3	76.1	76.1	76.4	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4500	74.2	77.1	77.1	77.4	78.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
4000	76.8	79.8	79.8	80.2	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
3500	78.7	81.9	82.0	82.4	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
3000	77.7	83.6	83.7	84.1	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2500	81.7	86.4	86.8	87.2	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2000	82.2	87.4	88.7	88.4	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
1800	82.1	87.9	88.6	89.0	90.1	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
1600	82.2	88.0	88.8	89.2	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
1400	82.8	89.2	90.2	90.7	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
1200	83.0	89.4	90.5	91.0	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
1000	83.7	89.7	91.2	91.7	93.3	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
900	83.1	89.9	91.4	91.9	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
800	83.3	90.6	92.2	92.7	94.7	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
700	83.4	91.1	93.0	93.7	95.9	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
600	83.6	91.2	93.4	94.3	96.3	96.4	96.9	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
500	83.6	91.2	93.4	94.3	96.7	96.9	97.3	97.9	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8
400	83.6	91.2	93.4	94.3	96.7	96.9	97.6	98.1	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2
300	83.6	91.2	93.4	94.3	96.7	96.9	97.7	98.2	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4
200	83.6	91.2	93.4	94.3	96.7	96.9	97.7	98.2	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6
100	83.6	91.2	93.4	94.3	96.7	96.9	97.7	98.2	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINCI AFB NC

73-82

423

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4.1

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING ≥20000	52.5	53.7	54.0	54.2	54.4	54.4	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.9	54.9
218000	55.9	57.2	57.5	57.7	58.0	58.0	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.7	58.4
218000	58.5	57.9	58.2	58.5	58.7	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1
218000	56.5	58.0	58.3	58.5	58.8	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2
218000	57.0	58.4	58.7	59.0	59.2	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.7
218000	57.8	59.3	59.6	59.9	60.2	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6
218000	59.7	61.3	61.7	62.0	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.7
218000	60.5	62.2	62.5	62.8	63.1	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5
218000	63.1	65.0	65.3	65.7	66.0	66.0	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5
218000	64.3	66.9	67.3	67.6	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.5
218000	66.0	68.3	68.7	69.0	69.4	69.4	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9
218000	68.3	70.9	71.3	71.7	72.1	72.1	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.6	72.6
218000	69.2	71.9	72.4	72.8	73.1	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.7
218000	71.4	74.4	74.9	75.3	75.7	75.8	75.9	76.0	76.0	76.1	76.2	76.2	76.2	76.3	76.3	76.4
218000	72.9	76.2	76.7	77.2	77.7	77.7	77.9	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.3	78.3
218000	74.9	78.6	79.1	79.6	80.2	80.2	80.4	80.5	80.5	80.5	80.7	80.7	80.7	80.8	80.8	80.9
218000	76.7	80.8	81.6	82.1	82.7	82.8	83.0	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.4
218000	78.3	83.0	84.0	84.6	85.4	85.4	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.2
218000	78.7	83.8	84.8	85.4	86.2	86.3	86.5	86.6	86.7	86.6	86.8	86.8	86.9	86.9	87.0	87.0
218000	79.5	84.8	85.9	86.5	87.3	87.5	87.7	87.8	87.9	88.0	88.1	88.1	88.2	88.2	88.2	88.3
218000	80.4	86.3	87.6	88.3	89.3	89.4	89.7	89.9	90.0	90.2	90.3	90.3	90.4	90.4	90.5	90.6
218000	80.9	87.3	88.9	89.7	90.7	90.9	91.2	91.4	91.5	91.8	92.0	92.0	92.1	92.1	92.2	92.2
218000	81.1	87.7	89.5	90.3	91.4	91.6	91.9	92.2	92.3	92.6	92.8	92.8	92.9	93.0	93.0	93.2
218000	81.2	88.1	90.0	90.9	92.2	92.4	92.7	93.0	93.2	93.5	93.7	93.7	93.8	93.9	93.9	94.1
218000	81.3	88.4	91.4	91.4	92.8	93.0	93.4	93.7	93.9	94.2	94.5	94.5	94.6	94.7	94.7	94.9
218000	81.5	88.8	92.9	92.0	93.5	93.7	94.2	94.5	94.8	95.2	95.5	95.5	95.7	95.7	95.8	96.0
218000	81.6	89.0	91.3	92.4	94.1	94.4	94.9	95.4	95.8	96.2	96.5	96.6	96.6	96.8	96.9	97.1
218000	81.7	89.3	91.7	92.9	94.8	95.2	96.0	96.6	97.0	97.4	97.8	97.9	98.1	98.2	98.2	98.4
218000	81.7	89.3	91.7	93.0	95.0	95.4	96.3	97.0	97.4	98.0	98.4	98.5	98.7	98.8	98.9	99.1
218000	81.7	89.3	91.8	93.1	95.1	95.5	96.5	97.2	97.8	98.3	98.9	99.0	99.3	99.4	99.6	99.8
218000	81.7	89.3	91.8	93.1	95.1	95.5	96.5	97.2	97.8	98.3	99.0	99.0	99.4	99.5	99.7	100.0
218000	81.7	89.3	91.8	93.1	95.1	95.5	96.5	97.2	97.8	98.3	99.0	99.0	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-62

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
12000	59.7	59.9	60.3	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
8000	63.7	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
4000	64.3	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2000	64.2	64.5	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	65.1
1000	64.6	64.9	65.4	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
500	67.4	67.7	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
200	72.5	72.6	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
100	71.0	71.4	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
50	74.2	74.4	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
25	76.7	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
15	79.5	80.4	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
10	81.5	82.7	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
5	83.1	84.8	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2	84.1	86.3	86.8	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
1	86.1	88.4	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
0.5	86.3	88.9	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
0.25	87.2	89.9	90.5	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
0.1	87.3	90.0	90.6	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
0.05	88.7	91.6	92.4	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
0.025	89.2	92.2	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
0.01	89.6	92.8	93.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
0.005	89.6	92.8	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
0.0025	89.7	92.9	94.0	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
0.001	90.1	93.4	94.5	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
0.0005	90.4	94.2	95.3	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
0.00025	90.4	94.3	95.6	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
0.0001	90.5	94.6	96.0	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0.00005	90.6	94.6	96.1	96.9	97.6	97.7	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0.000025	90.6	94.6	96.1	96.9	97.7	97.8	98.0	98.2	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0
0.00001	90.6	94.6	96.1	97.0	97.8	98.0	98.2	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINCT AFB ND

73-82

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

727575

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	21	24	25	22	27	2	24	21	24	21	2	20	21	24
1000	50.3	50.6	56.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
900	57.1	61.2	61.6	61.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
800	60.3	60.5	61.7	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
700	63.4	60.6	61.1	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
600	61.6	60.9	61.3	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
500	61.1	61.3	61.7	62.0	62.3	62.3	62.3	62.3	62.7	62.3	62.3	62.3	62.3	62.3	62.7	62.7
400	64.3	65.3	65.7	66.1	66.2	66.2	66.2	66.2	66.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2
300	66.3	66.8	67.2	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
200	70.3	70.8	71.2	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
100	72.5	72.9	73.3	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
0	74.1	74.7	75.2	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
4500	76.3	77.1	77.6	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
4000	76.5	79.2	79.8	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
3500	77.6	80.6	81.3	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
3000	81.5	83.3	84.7	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
2500	83.3	85.3	85.9	86.2	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
2000	84.4	86.2	87.0	87.3	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
1500	85.6	88.7	88.7	89.0	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1000	85.9	88.3	89.1	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
500	86.7	89.4	90.2	90.5	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
0	87.3	90.8	91.6	91.9	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
4500	88.5	91.7	92.6	92.9	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
4000	88.8	92.2	93.0	93.3	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
3500	88.8	92.2	93.1	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
3000	88.9	92.3	93.2	93.6	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2500	89.4	93.0	94.3	94.6	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2000	89.5	93.4	94.7	95.3	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1500	89.5	93.7	95.2	95.7	96.3	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1000	89.7	94.2	95.8	96.3	97.1	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
500	89.7	94.2	95.9	96.7	97.4	97.5	98.0	98.1	98.1	98.2	98.3	98.5	98.6	98.6	98.6	98.6
0	89.7	94.2	95.9	96.7	97.4	97.5	98.1	98.3	98.3	98.7	98.8	99.1	99.4	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

727575

USAF ETAC

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

7575 MINOT AFB ND

73-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

540-5401

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
100	52.3	53.5	54.4	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
100	56.8	57.5	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
100	56.3	57.6	58.5	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
100	57.3	58.2	59.0	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
100	57.7	58.6	59.5	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
100	58.3	59.7	61.5	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
100	57.4	58.4	64.3	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
100	63.0	64.6	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
100	67.3	68.4	69.5	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
100	69.9	70.1	71.2	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
100	71.5	71.9	73.0	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
100	72.2	73.2	74.9	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
100	73.0	74.9	76.1	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
100	73.9	76.0	77.2	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
100	75.3	77.8	79.0	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
100	77.3	80.1	81.3	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
100	78.5	81.3	82.5	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
100	79.9	83.2	84.8	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
100	80.2	83.4	85.3	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
100	81.7	84.9	86.8	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
100	83.2	86.5	88.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
100	84.0	87.7	89.7	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
100	84.5	88.4	91.4	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
100	84.6	88.6	91.8	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
100	84.7	88.9	91.7	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
100	85.1	89.9	92.4	93.4	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
100	85.9	90.9	93.3	94.4	95.3	95.4	95.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
100	85.9	91.1	93.8	95.1	96.2	96.5	96.7	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
100	86.7	91.6	94.3	95.6	97.0	97.3	97.6	98.3	98.3	98.5	98.7	98.7	98.7	98.8	98.8	98.8
100	86.7	91.6	94.3	95.7	97.2	97.5	98.0	98.7	98.7	99.1	99.5	99.5	99.7	99.7	99.8	99.8
100	86.0	91.6	94.3	95.7	97.2	97.5	98.0	98.8	98.8	99.2	99.6	99.6	99.8	99.8	99.8	99.8
100	86.0	91.6	94.3	95.7	97.2	97.5	98.0	98.8	98.8	99.2	99.6	99.6	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

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

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

227675 MINOT AFB ND 73-87 MAY 1973
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
1000	52.6	53.1	53.2	53.4	53.6	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
900	55.3	55.2	55.6	55.7	57.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
800	55.9	56.3	56.7	56.8	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
700	56.5	56.9	57.2	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
600	57.3	57.7	58.1	58.2	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
500	58.6	60.3	60.3	60.4	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
400	62.5	63.1	63.7	63.4	63.8	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
300	63.2	64.0	64.3	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
200	66.3	67.1	67.4	67.5	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
100	68.5	69.4	69.7	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
0	69.6	70.4	70.9	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
1000	72.3	73.4	73.9	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
900	73.3	74.5	74.8	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
800	74.5	75.7	75.1	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
700	75.5	76.7	77.1	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
600	76.3	79.6	80.0	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
500	81.1	81.7	82.2	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
400	81.9	84.0	84.4	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
300	82.3	84.3	84.7	84.8	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
200	84.2	85.3	86.2	86.9	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
100	85.7	89.4	87.8	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
0	88.1	91.1	91.5	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1000	92.5	91.7	92.3	92.5	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
900	89.5	93.3	93.9	94.1	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
800	89.7	93.5	94.1	94.4	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
700	90.2	94.1	94.7	95.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
600	91.2	94.6	95.3	95.8	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
500	91.4	94.9	95.6	95.6	95.1	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
400	91.4	95.1	95.8	96.0	98.5	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
300	91.4	95.1	95.8	96.9	93.6	99.2	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	92.4	95.1	95.8	96.9	98.6	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	92.4	95.1	95.8	96.9	98.6	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 230

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

127575 MINOT AFB ND

73-27

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

11-7-1977

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	28	24	25	22	22	20	21	21	24	24	2	25	24	24
1000	46.2	46.8	47.1	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
800	52.5	54.2	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
600	54.2	54.8	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
400	54.8	55.2	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
200	55.4	56.0	56.3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
100	57.3	58.2	58.7	58.7	58.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
50	59.7	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
25	61.1	61.7	62.1	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
15	64.1	64.9	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
10	65.2	66.1	66.5	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
5	65.7	66.7	67.7	67.7	67.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
3	68.9	69.9	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2	71.1	71.1	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
1	73.1	74.2	74.6	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
0	75.5	76.8	77.2	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
0.5	78.8	80.2	82.6	82.6	82.6	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
0.25	81.7	84.5	85.1	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
0.1	84.3	87.1	87.5	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
0.05	85.9	88.6	89.1	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
0.025	87.3	90.0	90.5	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
0.01	89.1	92.3	93.1	93.2	93.2	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
0.005	89.7	93.1	94.1	94.2	94.2	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
0.0025	89.9	93.5	94.6	94.7	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
0.001	90.3	94.1	95.2	95.4	95.4	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0.0005	90.6	94.4	95.2	95.1	95.3	96.9	97.7	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3
0.00025	90.6	94.7	96.3	96.6	97.2	97.7	97.8	96.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
0.0001	90.7	95.3	97.1	97.4	98.1	98.7	98.9	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5
0.00005	90.9	95.4	97.2	97.5	98.3	98.9	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
0.000025	90.9	95.4	97.4	97.7	98.5	99.1	99.4	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
0.00001	90.9	95.4	97.4	97.7	98.5	99.1	99.4	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
0.000005	90.9	95.4	97.4	97.7	98.5	99.1	99.4	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

WINDY AFB ND

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-17-77

		VISIBILITY IN STATUTE MILES															
		20	26	31	34	38	42	44	48	52	54	58	62	64	68	72	74
100	43.5	44.4	44.4	44.4	44.4	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
90	51.1	51.5	52.7	52.2	52.2	52.4	52.4	52.2	52.3	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7
80	51.7	52.6	52.9	52.6	52.8	53.7	57.7	53.1	57.1	53.1	57.1	53.1	57.1	53.1	57.1	53.1	57.1
70	52.5	52.9	53.1	53.1	53.1	53.3	57.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
60	53.7	54.4	54.7	54.6	54.6	54.8	54.8	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
50	55.5	56.5	56.7	56.7	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
40	57.4	58.3	58.5	58.5	58.5	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
30	58.3	59.2	59.5	59.5	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
20	60.3	63.2	63.4	63.5	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
10	64.5	65.6	65.9	65.9	65.9	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
0	66.3	67.5	67.8	67.8	67.8	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
90	70.3	72.4	72.7	72.7	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
80	75.3	74.9	75.3	75.3	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
70	77.7	78.9	79.4	79.4	79.5	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
60	81.5	81.6	81.2	82.2	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
50	85.3	84.5	85.1	85.1	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
40	89.7	88.3	89.8	88.8	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
30	91.7	91.2	91.3	91.9	91.2	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
20	91.8	91.3	91.5	91.5	91.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
10	93.4	91.2	92.2	92.3	92.4	92.9	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
0	93.7	92.7	93.7	93.9	94.7	94.4	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
90	95.3	93.7	94.7	95.1	95.4	95.6	95.5	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
80	95.5	94.5	95.2	95.5	95.8	96.2	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
70	95.8	94.2	95.4	95.7	96.7	96.2	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
60	96.3	94.6	95.8	96.1	96.5	96.7	96.9	97.2	97.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
50	96.3	94.8	96.7	96.3	96.7	97.7	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
40	96.2	95.2	96.5	96.9	97.0	98.0	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
30	96.2	95.3	96.6	97.0	97.7	98.1	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
20	96.2	95.4	96.7	97.1	97.8	98.2	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
10	96.2	95.4	96.7	97.1	97.8	98.2	98.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.2	95.4	96.7	97.1	97.8	98.2	98.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

577

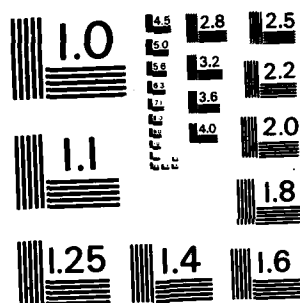
UNCLASSIFIED

MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS 83/018 SBI-AD-E850 396 F/G 4/2

F/G 4/2

NL

314



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB MD

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1810-2200

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	47.8	49.4	49.5	49.6	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	54.7	56.6	56.7	56.8	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	55.4	57.2	57.3	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	55.6	57.4	57.5	57.6	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	56.5	58.3	58.4	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 12000	59.4	61.3	61.4	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	61.9	63.9	64.0	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	62.5	64.4	64.5	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000	66.0	68.1	68.2	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	69.4	71.4	71.5	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	71.7	74.4	74.5	74.7	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 5000	74.8	77.8	78.1	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	77.3	80.4	80.6	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	79.9	83.4	83.7	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	82.2	85.7	86.0	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3000	84.1	87.8	88.2	88.6	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	85.3	89.0	89.4	89.9	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	86.7	90.4	90.8	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	87.1	90.9	91.2	91.8	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	87.7	91.9	92.3	93.0	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	88.3	92.9	93.3	94.1	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	89.1	94.5	94.9	95.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5
≥ 900	89.5	94.8	95.3	96.0	96.3	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	89.7	95.5	95.9	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	89.7	95.5	95.9	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5
≥ 600	89.8	95.7	96.1	96.9	97.4	97.6	97.7	97.8	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2
≥ 500	89.8	95.8	96.5	97.2	98.2	98.4	98.7	99.0	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5
≥ 400	89.8	95.8	96.5	97.2	98.2	98.4	98.8	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 300	89.8	95.8	96.5	97.2	98.2	98.5	98.9	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	89.8	95.8	96.5	97.2	98.2	98.5	98.9	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	89.8	95.8	96.5	97.2	98.2	98.5	98.9	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	89.8	95.8	96.5	97.2	98.2	98.5	98.9	99.5	99.6	99.7	99.9	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

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2120-2320
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	58.7	59.1	59.1	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	62.7	63.3	63.3	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	62.9	63.5	63.5	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	63.4	64.1	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	63.9	64.5	64.5	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 12000	65.2	65.8	65.8	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000	67.1	67.8	67.8	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	68.1	68.8	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	70.8	71.7	71.7	72.0	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	74.0	75.2	75.2	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000	76.5	78.2	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	79.5	81.2	81.2	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
≥ 4500	81.8	83.5	83.5	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	83.2	85.7	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	85.3	87.8	87.8	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	86.7	89.2	89.2	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
≥ 2500	87.6	90.3	90.3	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
≥ 2000	88.3	91.5	91.6	92.0	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	88.5	91.8	91.9	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	89.0	92.7	93.0	93.5	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200	90.0	93.8	94.1	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	90.5	94.8	95.2	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	90.5	94.9	95.3	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	90.8	95.4	95.7	96.2	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	90.8	95.4	95.8	96.5	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	90.8	95.4	95.8	96.5	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	91.0	95.6	96.0	96.7	97.4	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	91.0	95.6	96.2	97.0	98.0	98.3	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	91.0	95.6	96.2	97.0	98.0	98.3	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	91.0	95.6	96.2	97.0	98.0	98.3	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.0	95.6	96.2	97.0	98.0	98.3	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.0	95.6	96.2	97.0	98.0	98.3	98.8	99.6	99.7	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

727675 MINOT AFB ND

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	52.2	52.8	53.1	53.3	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	57.3	58.0	58.3	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 18000	57.6	58.4	58.7	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	58.0	58.7	59.0	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 14000	58.6	59.4	59.7	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 12000	60.2	60.9	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	62.9	63.7	64.1	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 9000	63.9	64.8	65.1	65.3	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 8000	67.2	68.2	68.6	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 7000	69.6	70.6	71.0	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
IV 6000	71.4	72.6	73.0	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	74.3	75.8	76.2	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	76.1	77.7	78.1	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	78.0	79.9	80.4	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	79.9	82.0	82.5	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 3000	82.1	84.4	84.9	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	83.8	86.3	86.8	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2000	85.2	88.0	88.7	89.0	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	85.6	88.5	89.1	89.5	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1500	86.7	89.8	90.5	90.9	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1200	88.0	91.3	92.1	92.6	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1000	88.7	92.4	93.3	93.8	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	89.0	92.8	93.7	94.2	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	89.2	93.3	94.2	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
IV 700	89.4	93.5	94.6	95.1	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9
IV 600	89.7	94.0	95.1	95.7	96.2	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8
IV 500	89.9	94.4	95.6	96.3	97.0	97.3	97.5	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9
IV 400	89.9	94.5	95.9	96.6	97.5	97.8	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7
IV 300	89.9	94.7	96.1	96.8	97.8	98.2	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	89.9	94.7	96.1	96.9	97.9	98.3	98.7	99.1	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7
IV 100	89.9	94.7	96.1	96.9	97.9	98.3	98.7	99.1	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9
IV 0	89.9	94.7	96.1	96.9	97.9	98.3	98.7	99.1	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-3230
MOSES

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	64.6	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥20000	69.2	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 18000	69.3	69.4	69.6	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
IV 16000	69.3	69.4	69.6	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
IV 14000	69.9	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 12000	72.7	72.8	72.9	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
IV 10000	76.0	76.3	76.6	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
IV 9000	76.7	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	80.0	80.3	80.6	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
IV 7000	83.2	84.2	84.4	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
IV 6000	84.6	86.3	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 5000	86.4	89.0	89.3	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4500	87.1	90.1	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 4000	87.9	90.9	91.3	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 3500	88.8	91.8	92.3	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 3000	90.3	93.4	94.0	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2500	90.7	93.9	94.4	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2000	91.2	94.6	95.1	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	91.4	95.0	95.6	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	92.2	96.0	96.7	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	92.9	96.8	97.4	97.6	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	93.0	96.9	97.6	97.8	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	93.1	97.2	97.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	93.3	97.6	98.2	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	93.3	97.6	98.2	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	93.3	97.8	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	93.3	97.8	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	93.3	97.8	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	93.3	97.8	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	93.3	97.8	98.4	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	93.3	97.8	98.4	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	93.3	97.8	98.4	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

114

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

337-0577

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	60.8	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.6	61.6	61.7	61.7
≥20000	65.9	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	67.0	67.0
≥18000	66.0	66.4	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.1
≥16000	66.0	66.4	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.1
≥14000	66.7	67.2	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.9	67.9
≥12000	69.4	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.7	70.7
≥10000	75.3	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.6	76.6
≥9000	75.8	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.3	77.3
≥8000	78.4	79.6	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.3	80.3
≥7000	81.8	83.0	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.8	83.8
≥6000	83.0	84.4	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.3	85.3
≥5000	85.2	87.1	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.3	88.3
≥4500	86.6	88.6	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8
≥4000	87.3	89.4	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.7	90.7
≥3500	88.3	90.8	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.1	92.1
≥3000	89.3	91.9	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.2	93.2
≥2500	90.0	92.6	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.9	93.9
≥2000	90.9	93.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.1	95.1
≥1800	90.9	93.7	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.3
≥1500	91.6	94.3	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	96.0	96.0
≥1200	92.0	95.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.7	96.7
≥1000	92.1	95.4	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1
≥900	92.1	95.6	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.6	97.6
≥800	92.4	96.0	97.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1
≥700	92.6	96.1	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3
≥600	92.7	96.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2
≥500	92.7	96.6	98.1	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4
≥400	92.8	96.7	98.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7
≥300	92.8	96.7	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0
≥200	92.8	96.7	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0
≥100	92.8	96.7	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0
≥0	92.8	96.7	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

607-7870
HOURS 1-1

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	58.4	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	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
IV 18000	65.2	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 16000	65.2	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 14000	66.8	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
IV 12000	70.7	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 10000	74.7	75.7	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
IV 9000	75.9	77.1	77.4	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
IV 8000	79.8	81.1	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 7000	81.9	83.4	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
IV 6000	82.6	84.3	84.9	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
IV 5000	84.1	86.6	87.2	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4500	84.7	87.1	87.8	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
IV 4000	85.2	87.8	88.4	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
IV 3500	85.9	88.4	89.3	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3000	86.8	89.3	90.3	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
IV 2500	87.3	89.9	90.9	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
IV 2000	88.0	90.7	92.0	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	88.2	90.9	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	89.1	91.8	93.1	93.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200	89.9	93.1	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	90.3	93.7	95.2	95.7	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	90.4	93.9	95.7	96.1	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	90.4	94.4	96.2	96.7	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	90.4	94.9	96.7	97.2	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	90.6	95.0	96.8	97.7	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	90.8	95.6	97.4	98.3	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	90.8	95.7	97.6	98.4	99.3	99.3	99.3	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	90.8	95.7	97.6	98.4	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	90.8	95.7	97.6	98.4	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	90.8	95.7	97.6	98.4	99.4	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.8	95.7	97.6	98.4	99.4	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-1130

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	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
≥ 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	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	71.6
≥ 10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	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
≥ 8000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	82.4	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	83.2	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	84.2	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	85.1	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	86.2
≥ 3000	86.3	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	87.6
≥ 2500	88.0	89.3	89.4	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
≥ 2000	90.0	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
≥ 1800	90.8	92.3	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
≥ 1500	91.9	93.7	93.9	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
≥ 1200	93.3	95.3	95.6	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	93.6	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	94.0	96.6	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	94.1	96.7	97.2	97.3	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	94.1	96.8	97.4	97.6	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	94.4	97.1	97.9	98.0	98.2	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	94.6	97.4	98.2	98.3	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

UUA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-14-77

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 14000	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
≥ 12000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	80.6	81.0	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	82.2	82.7	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	84.4	85.0	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	85.3	85.9	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000	87.6	88.2	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	89.3	90.2	90.6	90.6	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	91.6	92.4	92.8	92.8	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	92.2	93.1	93.4	93.4	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	93.2	94.1	94.4	94.4	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	94.3	95.4	95.8	95.8	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	94.8	96.2	96.6	96.6	97.4	97.4	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	94.9	96.8	97.2	97.2	98.1	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	95.1	97.0	97.4	97.4	98.6	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	95.1	97.0	97.4	97.4	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	95.3	97.2	97.7	97.7	99.1	99.1	99.1	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.3	97.4	98.0	98.0	99.4	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	95.3	97.4	98.0	98.0	99.4	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	95.3	97.4	98.0	98.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	95.3	97.4	98.0	98.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	95.3	97.4	98.0	98.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	95.3	97.4	98.0	98.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1537-1730

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	54.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	67.7	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
≥ 12000	71.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 10000	73.6	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
≥ 9000	75.3	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
≥ 8000	77.9	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
≥ 7000	79.3	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
≥ 6000	81.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 5000	85.7	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4500	87.3	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000	89.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2
≥ 3500	90.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2
≥ 3000	90.9	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3
≥ 2500	91.8	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
≥ 2000	92.9	95.2	95.3	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
≥ 1800	93.2	95.6	95.7	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 1500	93.6	96.2	96.4	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
≥ 1200	94.4	97.2	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 1000	94.9	97.6	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 900	94.9	97.8	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 800	94.9	97.8	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 700	94.9	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 600	94.9	98.0	98.6	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 500	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 400	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 300	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 200	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 100	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 0	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	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	63.0
≥ 20000	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	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	71.2	71.2	71.2
≥ 12000	73.4	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
≥ 10000	76.4	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
≥ 9000	77.3	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
≥ 8000	81.3	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	83.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6000	84.7	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000	87.3	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
≥ 4500	88.4	90.6	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
≥ 4000	90.2	92.6	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3500	90.8	93.6	94.0	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
≥ 3000	91.9	94.8	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2500	92.6	95.7	96.1	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
≥ 2000	92.9	96.1	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	93.1	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	93.1	96.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	94.0	97.4	97.9	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
≥ 1000	94.1	97.8	98.2	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	94.1	98.1	98.6	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	94.1	98.1	98.6	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	94.1	98.1	98.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	94.1	98.1	98.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 100	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 0	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

STATION NAME

73-82

YEARS

100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 18000	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 16000	72.3	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	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 12000	74.9	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	77.3	78.2	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
≥ 9000	78.7	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
≥ 8000	80.2	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	83.2	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	84.7	86.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 5000	86.6	89.4	90.1	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
≥ 4500	87.1	90.0	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4000	88.4	91.6	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	89.0	92.7	93.7	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
≥ 3000	90.6	94.3	95.3	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
≥ 2500	91.2	95.0	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
≥ 2000	91.6	95.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	91.9	96.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	92.4	96.9	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
≥ 1200	92.7	97.1	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
≥ 1000	92.7	97.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	93.0	97.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	93.0	97.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	93.1	97.8	98.9	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
≥ 600	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	93.1	98.0	99.1	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
≥ 200	93.1	98.0	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	93.1	98.0	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 50	93.1	98.0	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 20	93.1	98.0	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND
STATION NAME

73-92
YEARS

4.5
DEC.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4.1
DEC.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 20000	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 16000	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000	68.8	69.2	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
≥ 12000	71.5	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	75.1	75.7	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
≥ 9000	76.5	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	79.1	79.8	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
≥ 7000	81.2	82.2	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 6000	82.5	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000	84.3	86.7	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	85.8	87.7	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
≥ 4000	87.1	89.2	89.6	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
≥ 3500	87.9	90.2	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	89.2	91.6	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	90.1	92.6	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2000	91.1	93.7	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	91.5	94.2	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1600	92.1	94.9	95.6	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1400	92.9	95.9	96.6	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
≥ 1200	93.2	96.3	97.1	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	93.3	96.7	97.5	97.6	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	93.4	96.9	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	93.5	97.0	97.9	98.2	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	93.6	97.2	98.2	98.5	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 600	93.6	97.4	98.4	98.7	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 500	93.7	97.4	98.4	98.8	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	93.7	97.4	98.5	98.8	99.4	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 300	93.7	97.4	98.5	98.8	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	93.7	97.4	98.5	98.8	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	93.7	97.4	98.5	98.8	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-82

101

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	73.4	74.1	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥20000	79.0	79.7	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥18000	79.6	80.2	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥16000	79.8	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥14000	80.5	81.2	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥12000	82.8	83.5	83.6	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥10000	86.1	86.9	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥9000	87.2	88.1	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥8000	89.0	89.8	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥7000	89.9	90.9	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥6000	91.4	92.7	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥5000	92.3	93.5	93.9	94.0	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥4500	93.1	94.5	94.8	94.9	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥4000	93.5	95.4	95.8	96.1	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥3500	93.9	95.8	96.2	96.6	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥3000	94.3	96.2	96.7	97.0	97.3	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥2500	94.7	96.9	97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥2000	94.7	96.9	97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1800	94.7	96.9	97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1500	94.9	97.1	97.5	97.8	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥1200	95.3	97.5	98.0	98.3	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥1000	95.6	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥900	95.6	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥800	95.6	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥700	95.6	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥600	95.7	98.0	98.4	98.7	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥500	95.8	98.1	98.5	98.8	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥400	95.8	98.1	98.5	98.8	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥300	95.8	98.2	98.6	98.9	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥200	95.8	98.2	98.6	98.9	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥100	95.8	98.2	98.6	98.9	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥50	95.8	98.2	98.6	98.9	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥20	95.8	98.2	98.6	98.9	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

330-7577

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	71.0	71.5	72.7	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.4
≥ 20000	73.5	75.2	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	76.1
≥ 18000	74.2	75.9	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.9
≥ 16000	74.2	75.9	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.9
≥ 14000	74.7	76.5	77.7	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.4
≥ 12000	75.9	77.6	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.6
≥ 10000	81.2	82.9	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.9
≥ 9000	82.4	84.1	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	85.1
≥ 8000	84.5	86.2	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.2
≥ 7000	85.6	87.3	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.3
≥ 6000	87.5	89.5	91.7	90.0	91.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.4
≥ 5000	89.4	91.6	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.8
≥ 4500	89.7	91.9	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	93.1
≥ 4000	90.8	93.4	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.6
≥ 3500	90.9	93.5	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.7
≥ 3000	90.9	93.5	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.8
≥ 2500	91.2	93.9	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	95.2
≥ 2000	91.4	94.3	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.6
≥ 1800	91.5	94.5	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.8
≥ 1500	91.8	94.8	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	96.1
≥ 1200	92.7	95.9	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.3
≥ 1000	92.8	96.1	97.7	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.6
≥ 900	93.1	96.5	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	98.1
≥ 800	93.1	96.5	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 700	93.2	96.7	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.3
≥ 600	93.2	96.7	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.3
≥ 500	93.3	96.8	97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.5
≥ 400	93.4	96.9	97.8	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.6
≥ 300	93.5	97.0	98.0	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	99.1
≥ 200	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 100	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 50	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 20	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 10	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 5	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 2	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 1	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 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

727675

MINOT AFB ND

73-82

144

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

633-9830

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	62.7	63.9	64.2	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.1
≥ 20000	69.0	70.4	70.8	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6
≥ 18000	69.4	70.8	71.1	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
≥ 16000	69.4	70.8	71.1	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
≥ 14000	70.9	72.3	72.6	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4
≥ 12000	73.4	74.8	75.2	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0
≥ 10000	77.7	79.4	79.7	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5
≥ 9000	79.2	80.9	81.2	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2
≥ 8000	82.7	84.3	84.6	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6
≥ 7000	83.7	85.3	85.6	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6
≥ 6000	85.3	87.0	87.4	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4
≥ 5000	86.9	88.7	89.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1
≥ 4500	87.3	89.2	89.7	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6
≥ 4000	88.4	90.3	90.8	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7
≥ 3500	88.7	90.8	91.2	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2
≥ 3000	88.9	91.1	91.5	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7	92.7
≥ 2500	89.2	91.4	91.8	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0
≥ 2000	90.0	92.5	92.9	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.1
≥ 1800	90.2	92.7	93.1	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.3	94.3	94.3
≥ 1500	90.3	92.8	93.3	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5
≥ 1200	90.3	93.2	94.0	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2	95.2
≥ 1000	90.4	93.3	94.1	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3
≥ 900	90.5	93.7	94.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6
≥ 800	90.5	93.7	94.4	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7
≥ 700	90.9	94.3	95.2	95.8	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7
≥ 600	91.2	95.2	96.0	96.7	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6
≥ 500	91.3	95.3	96.2	96.9	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8
≥ 400	91.6	95.8	97.0	97.7	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9
≥ 300	91.8	96.0	97.2	98.0	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4
≥ 200	91.8	96.0	97.2	98.0	98.6	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 100	91.8	96.0	97.2	98.0	98.6	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 0	91.8	96.0	97.2	98.0	98.6	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

JUL

STATION

STATION NAME

YEARS

MO.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1973-1975
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 20000	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 18000	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 16000	73.3	73.5	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
≥ 14000	74.5	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
≥ 12000	76.7	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	77.1
≥ 10000	81.0	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 9000	82.8	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	83.5	83.5
≥ 8000	84.5	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	84.9	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
≥ 6000	85.7	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
≥ 5000	87.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	87.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	88.8	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
≥ 3500	89.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	92.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2000	93.1	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	93.4	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	93.8	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	94.5	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	97.2
≥ 1000	94.9	97.4	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
≥ 900	95.3	97.8	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
≥ 800	95.6	98.3	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	96.1	98.8	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	96.2	98.9	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
≥ 500	96.2	98.9	99.5	99.5	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	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINOT AFB ND

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-3-1430

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 20000	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 14000	74.8	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
≥ 12000	77.8	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 10000	80.5	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 9000	82.0	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
≥ 8000	83.0	83.9	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	84.1
≥ 7000	83.9	84.8	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
≥ 6000	84.3	85.3	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
≥ 5000	87.3	88.3	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
≥ 4500	88.5	89.5	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
≥ 4000	90.1	91.3	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3500	91.5	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
≥ 3000	93.3	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	94.6	96.0	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
≥ 2000	95.7	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	97.7
≥ 1800	96.0	97.5	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
≥ 1500	96.2	97.7	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
≥ 1200	97.0	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
≥ 1000	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

444
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-3-1770
HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	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	65.4
≥ 20000	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 18000	73.2	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	73.5	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
≥ 14000	75.7	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
≥ 12000	77.8	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
≥ 10000	81.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	86.0	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
≥ 7000	87.2	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
≥ 6000	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 5000	92.2	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	93.8	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
≥ 4000	94.5	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	96.7	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3000	97.5	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2500	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2000	98.2	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	99.2
≥ 1800	98.3	99.1	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	99.4
≥ 1500	98.5	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	98.6	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	98.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	98.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	98.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	98.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND STATION NAME

73-82 YEARS

1944

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18.10-2000 HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING	70.5	73.9	70.9	70.9	73.9	73.9	73.9	73.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	77.9	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	73.6	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	79.0	79.0
≥ 16000	78.8	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
≥ 14000	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
≥ 12000	82.3	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
≥ 10000	87.1	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
≥ 9000	88.1	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
≥ 8000	89.6	90.5	90.6	90.6	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	91.2	92.1	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 6000	92.6	93.6	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 5000	94.9	96.3	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
≥ 4500	95.0	96.4	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
≥ 4000	96.1	97.7	98.7	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
≥ 3500	96.9	98.6	98.8	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
≥ 3000	97.5	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2110

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	77.2	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
≥ 20000	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 18000	82.5	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
≥ 16000	82.5	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
≥ 14000	83.6	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
≥ 12000	85.3	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
≥ 10000	89.3	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
≥ 9000	89.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 8000	91.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 7000	92.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 6000	93.8	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	95.0
≥ 5000	95.7	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	97.1
≥ 4500	95.8	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	97.2
≥ 4000	96.7	98.1	98.3	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
≥ 3500	97.1	98.5	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	97.6	99.0	99.2	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
≥ 2500	97.6	99.0	99.2	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
≥ 2000	97.7	99.1	99.4	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
≥ 1800	97.7	99.1	99.4	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
≥ 1500	97.7	99.1	99.4	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
≥ 1000	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.0	99.5	99.7	99.8	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	98.0	99.5	99.7	99.8	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	98.0	99.5	99.7	99.8	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	98.0	99.5	99.7	99.8	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	98.0	99.5	99.7	99.8	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 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB MD

73-82

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	69.1	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 20000	74.7	75.4	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
≥ 18000	75.3	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4
≥ 16000	75.5	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 14000	76.8	77.6	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0
≥ 12000	79.0	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 10000	83.1	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4
≥ 9000	84.4	85.3	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
≥ 8000	86.3	87.3	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8
≥ 7000	87.3	88.5	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
≥ 6000	88.6	89.8	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
≥ 5000	90.8	92.1	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7
≥ 4500	91.2	92.7	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2
≥ 4000	92.4	94.0	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
≥ 3500	93.1	94.8	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5
≥ 3000	93.8	95.5	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3
≥ 2500	94.4	96.1	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥ 2000	94.8	96.6	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 1800	94.9	96.8	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6
≥ 1500	95.1	97.0	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
≥ 1200	95.5	97.6	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 1000	95.7	97.8	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.8
≥ 900	95.8	98.0	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 800	95.8	98.0	98.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 700	95.9	98.2	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 600	96.0	98.3	98.8	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 500	96.0	98.4	98.9	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 400	96.1	98.5	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7
≥ 300	96.1	98.5	99.1	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 200	96.2	98.6	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100	96.2	98.6	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	96.2	98.6	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-87

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

011-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	71.6	72.8	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.7
≥ 20000	76.3	77.5	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
≥ 18000	76.3	77.5	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
≥ 16000	76.3	77.5	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
≥ 14000	77.3	78.5	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4
≥ 12000	79.6	80.8	81.0	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6
≥ 10000	84.2	85.4	85.6	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.3
≥ 9000	84.7	85.9	86.1	86.3	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.0
≥ 8000	86.9	88.2	88.4	88.6	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.4
≥ 7000	88.6	89.9	90.1	90.3	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1
≥ 6000	89.7	91.3	91.6	91.8	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6
≥ 5000	91.4	93.0	93.4	93.7	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4
≥ 4500	91.6	93.2	93.7	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6
≥ 4000	92.4	94.3	94.7	94.9	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7
≥ 3500	92.6	94.6	95.1	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0
≥ 3000	92.6	94.6	95.1	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0
≥ 2500	93.2	95.5	95.9	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9
≥ 2000	94.0	96.2	96.8	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7
≥ 1800	94.2	96.5	97.0	97.2	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0
≥ 1500	94.4	96.7	97.2	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2
≥ 1200	94.9	97.2	97.7	98.0	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7
≥ 1000	95.1	97.4	98.1	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
≥ 900	95.1	97.4	98.1	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
≥ 800	95.2	97.5	98.2	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1
≥ 700	95.2	97.6	98.3	98.5	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2
≥ 600	95.4	97.8	98.5	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5
≥ 500	95.4	97.8	98.5	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5
≥ 400	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 300	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 200	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 100	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 50	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

AME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-5500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	68.8	70.2	70.4	70.8	71.0	71.0	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.4	71.4
≥ 20000	72.8	74.3	74.5	74.8	75.1	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.5	75.5	75.5
≥ 18000	72.8	74.3	74.5	74.8	75.1	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.5	75.5	75.5
≥ 16000	72.9	74.4	74.6	74.9	75.2	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.6	75.6	75.6
≥ 14000	73.2	74.7	74.9	75.3	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.9	75.9	75.9
≥ 12000	75.2	77.0	77.2	77.5	77.7	77.7	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.2	78.2	78.2
≥ 10000	79.8	81.6	81.8	82.2	82.4	82.4	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.8	82.8	82.8
≥ 9000	81.2	83.0	83.2	83.5	83.8	83.8	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.2	84.2	84.2
≥ 8000	82.9	84.9	85.2	85.5	85.8	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.3	86.3	86.3
≥ 7000	84.8	87.0	87.2	87.5	87.8	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.4	88.4	88.4
≥ 6000	85.8	88.4	88.6	89.0	89.4	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.9	89.9	89.9
≥ 5000	87.1	90.0	90.2	90.6	91.0	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.6	91.6	91.6
≥ 4500	87.2	90.1	90.3	90.9	91.2	91.2	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.8	91.8	91.8
≥ 4000	88.7	91.8	92.2	92.7	93.0	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.7	93.7	93.7
≥ 3500	89.2	92.4	92.7	93.2	93.5	93.5	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.2	94.2	94.2
≥ 3000	89.6	92.7	93.0	93.5	94.0	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.6	94.6	94.6
≥ 2500	90.0	93.1	93.5	94.1	94.5	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	95.2	95.2	95.2
≥ 2000	90.2	93.3	93.6	94.3	94.7	94.7	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.4	95.4	95.4
≥ 1800	90.2	93.3	93.8	94.3	94.7	94.7	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.4	95.4	95.4
≥ 1500	90.2	93.4	94.0	94.5	94.9	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6
≥ 1200	90.6	94.1	94.6	95.2	95.6	95.6	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.3	96.3	96.3
≥ 1000	90.9	94.5	95.1	95.6	96.0	96.0	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.8	96.8	96.8
≥ 900	91.0	94.6	95.3	95.8	96.2	96.2	96.5	96.6	96.6	96.8	96.8	96.8	96.8	97.0	97.0	97.0
≥ 800	91.0	94.7	95.4	95.9	96.3	96.3	96.6	96.7	96.7	96.9	96.9	96.9	96.9	97.1	97.1	97.1
≥ 700	91.2	94.9	95.6	96.1	96.6	96.6	96.8	96.9	96.9	97.1	97.1	97.1	97.1	97.3	97.3	97.3
≥ 600	91.3	95.2	95.8	96.3	96.9	96.9	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.6	97.6	97.6
≥ 500	91.3	95.8	96.5	97.0	97.5	97.5	97.7	97.8	97.8	98.1	98.1	98.1	98.1	98.3	98.3	98.3
≥ 400	91.4	96.1	96.8	97.3	97.8	97.8	98.1	98.2	98.2	98.4	98.4	98.4	98.4	98.6	98.6	98.6
≥ 300	91.5	96.2	96.9	97.4	98.0	98.0	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.7	98.7	98.8
≥ 200	91.6	96.6	97.2	97.7	98.3	98.3	98.5	98.7	98.7	98.9	98.9	98.9	98.9	99.1	99.1	99.1
≥ 100	91.6	96.6	97.2	97.7	98.3	98.3	98.5	98.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7
≥ 0	91.6	96.6	97.2	97.7	98.3	98.3	98.5	98.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-87

AVC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-7800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	57.7	63.8	67.9	61.4	62.2	62.3	62.5	62.6	62.7	62.7	62.8	62.8	62.9	63.0	63.7	63.9
≥ 20000	61.7	64.8	64.9	65.5	66.2	66.3	66.6	66.7	66.8	66.9	67.0	67.0	67.1	67.2	68.1	68.3
≥ 18000	61.7	64.8	64.9	65.5	66.2	66.3	66.6	66.7	66.8	66.9	67.0	67.0	67.1	67.2	68.1	68.3
≥ 16000	62.2	65.3	65.4	65.9	66.7	66.8	67.0	67.1	67.2	67.3	67.4	67.4	67.5	67.6	68.5	68.7
≥ 14000	63.0	66.1	66.2	66.8	67.5	67.6	67.8	68.0	68.1	68.2	68.3	68.3	68.4	68.5	69.4	69.5
≥ 12000	65.1	68.2	68.3	68.8	69.6	69.7	69.9	70.0	70.1	70.2	70.3	70.3	70.4	70.5	71.4	71.6
≥ 10000	69.4	72.9	73.1	73.7	74.4	74.5	74.8	74.9	75.1	75.3	75.4	75.4	75.6	75.7	76.6	76.8
≥ 9000	71.1	74.7	74.9	75.5	76.2	76.3	76.7	76.8	76.9	77.1	77.2	77.2	77.4	77.5	78.4	78.6
≥ 8000	74.2	77.8	78.3	78.8	79.7	79.8	80.1	80.2	80.3	80.5	80.6	80.6	80.9	81.0	81.8	82.0
≥ 7000	77.1	80.5	81.2	81.7	82.6	82.7	83.1	83.2	83.3	83.5	83.7	83.7	83.9	84.0	84.8	85.1
≥ 6000	78.1	82.3	82.7	83.2	84.1	84.2	84.6	84.7	84.8	85.1	85.2	85.2	85.4	85.5	86.3	86.6
≥ 5000	80.2	84.5	84.9	85.5	86.5	86.6	87.0	87.1	87.2	87.4	87.5	87.5	87.7	87.8	88.7	88.9
≥ 4500	80.2	84.6	85.1	85.6	86.6	86.7	87.1	87.2	87.3	87.5	87.6	87.6	87.8	88.0	88.8	89.0
≥ 4000	81.1	85.9	86.3	86.9	88.1	88.2	88.6	88.7	88.8	89.1	89.2	89.2	89.5	89.6	90.4	90.6
≥ 3500	81.6	86.7	87.1	87.6	88.9	89.0	89.5	89.6	89.7	90.0	90.1	90.1	90.3	90.4	91.3	91.5
≥ 3000	82.5	87.6	88.1	88.6	89.9	90.0	90.4	90.5	90.6	91.0	91.1	91.1	91.3	91.4	92.3	92.5
≥ 2500	82.7	88.1	88.7	89.2	90.5	90.6	91.1	91.2	91.3	91.6	91.7	91.7	91.9	92.0	92.9	93.1
≥ 2000	82.8	88.2	88.9	89.5	90.8	90.9	91.3	91.4	91.5	91.8	91.9	91.9	92.2	92.3	93.1	93.3
≥ 1800	82.9	88.7	89.6	90.1	91.4	91.5	91.9	92.0	92.2	92.5	92.6	92.6	92.8	92.9	93.8	94.0
≥ 1600	83.2	89.0	89.9	90.4	91.7	91.8	92.3	92.4	92.5	92.8	92.9	92.9	93.1	93.2	94.1	94.3
≥ 1400	83.7	89.7	90.5	91.1	92.4	92.5	92.9	93.0	93.1	93.4	93.5	93.5	93.8	93.9	94.7	94.9
≥ 1200	83.8	89.8	90.8	91.4	92.8	93.0	93.4	93.5	93.7	94.0	94.1	94.1	94.3	94.4	95.3	95.5
≥ 1000	83.8	90.0	91.0	91.6	93.0	93.2	93.7	93.8	93.9	94.2	94.3	94.3	94.5	94.6	95.5	95.7
≥ 900	83.8	90.0	91.0	91.7	93.1	93.3	93.8	93.9	94.0	94.3	94.4	94.4	94.6	94.7	95.6	95.8
≥ 800	83.8	90.2	91.3	92.0	93.7	93.9	94.3	94.4	94.5	94.8	94.9	94.9	95.2	95.3	96.1	96.3
≥ 700	83.8	90.5	91.6	92.4	94.0	94.2	94.6	94.7	94.8	95.2	95.3	95.3	95.5	95.6	96.5	96.7
≥ 600	83.9	91.0	92.2	92.9	94.5	94.7	95.2	95.3	95.5	95.8	95.9	95.9	96.1	96.2	97.1	97.3
≥ 500	83.9	91.3	92.6	93.4	95.3	95.5	96.0	96.2	96.5	97.0	97.1	97.1	97.3	97.4	98.3	98.5
≥ 400	83.9	91.4	92.7	93.5	95.4	95.6	96.1	96.6	96.9	97.4	97.5	97.5	97.7	97.8	98.7	99.0
≥ 300	83.9	91.4	92.7	93.5	95.4	95.6	96.1	96.6	96.9	97.5	97.6	97.6	97.8	98.0	98.8	99.1
≥ 200	83.9	91.4	92.7	93.5	95.4	95.6	96.1	96.6	96.9	97.5	97.6	97.6	97.8	98.1	99.0	99.8
≥ 100	83.9	91.4	92.7	93.5	95.4	95.6	96.1	96.6	96.9	97.5	97.6	97.6	97.8	98.1	99.0	99.8
≥ 0	83.9	91.4	92.7	93.5	95.4	95.6	96.1	96.6	96.9	97.5	97.6	97.6	97.8	98.1	99.0	99.8

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB MO

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

999-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING ≥ 20000	57.9	59.1	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
2 18000	63.4	64.8	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2 16000	63.8	65.2	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2 14000	63.2	65.3	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2 12000	65.3	66.4	66.5	66.5	66.8	66.8	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2 10000	68.4	69.9	70.0	70.0	70.5	70.5	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2 8000	73.1	74.7	74.9	74.9	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
2 6000	75.2	77.0	77.1	77.2	77.7	77.7	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
2 4000	76.5	78.9	79.0	79.1	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
2 2000	78.4	81.1	81.3	81.6	82.1	82.1	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2 1000	79.3	82.5	82.9	83.2	83.7	83.7	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2 500	81.1	84.3	84.8	85.1	85.7	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2 400	81.1	84.4	84.9	85.3	85.8	85.8	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2 300	82.7	85.4	85.9	86.2	86.8	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2 200	82.6	85.9	86.4	86.8	87.3	87.3	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
2 1500	83.4	86.8	87.3	87.7	88.3	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2 1000	83.9	87.2	87.7	88.2	88.8	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2 800	85.3	88.8	89.5	89.9	90.5	90.5	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2 600	85.4	89.1	89.8	90.2	90.9	90.9	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
2 400	86.5	90.4	91.3	91.7	92.4	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
2 200	87.5	92.1	93.1	93.5	94.3	94.3	94.3	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6
2 1000	88.4	93.8	94.7	95.2	95.9	95.9	95.9	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2
2 800	88.5	94.0	94.9	95.4	96.3	96.3	96.3	96.4	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7
2 600	88.5	94.0	94.9	95.4	96.4	96.4	96.4	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
2 400	88.5	94.3	95.3	95.8	97.1	97.1	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
2 200	88.5	94.7	95.7	96.3	97.6	97.6	97.6	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
2 1000	88.5	94.9	95.9	96.6	98.1	98.1	98.2	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
2 800	88.5	94.9	96.0	96.7	98.3	98.3	98.5	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
2 600	88.5	94.9	96.1	96.8	98.5	98.5	98.7	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5
2 400	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
2 200	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
2 1000	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 329

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINCI AFB ND

73-87

AMC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	54.1	59.4	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
8000	54.2	65.3	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
6000	65.2	66.5	66.6	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
4000	65.6	66.9	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2000	66.7	68.2	68.3	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
1000	69.6	70.9	71.1	71.2	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
800	73.1	74.4	74.6	74.8	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
600	74.9	76.3	76.5	76.6	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
400	77.6	79.4	79.6	79.9	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
200	80.3	82.2	82.4	82.7	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
100	81.3	83.5	83.8	84.1	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
80	83.7	86.3	86.6	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
60	85.3	88.0	88.4	88.6	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
40	87.2	90.0	90.5	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
20	88.5	91.4	91.9	92.4	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
10	89.5	92.7	93.2	93.7	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
8	90.2	93.4	94.1	94.5	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
6	91.2	94.5	95.4	95.8	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
4	91.9	95.4	96.3	97.0	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2	92.5	96.1	97.1	97.8	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1	92.5	96.2	97.3	98.1	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.8	92.5	96.2	97.3	98.1	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.6	92.6	96.3	97.4	98.2	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.4	92.7	96.5	97.8	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.2	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.1	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.05	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.02	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.01	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 230

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

747675 MINOT AFB ND

77-62

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1700

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	20	21	24	25	22	22	21	21	21	21	21	21	21	21	21
0-100	58.7	59.8	61.7	61.3	61.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
100-200	68.7	69.9	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
200-300	69.5	70.5	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
300-400	69.7	70.9	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
400-500	71.5	71.8	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
500-600	72.8	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
600-700	77.6	79.1	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
700-800	75.3	79.7	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
800-900	81.9	83.4	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
900-1000	83.3	84.8	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
1000-1100	84.6	86.2	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
1100-1200	85.3	88.8	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
1200-1300	88.1	90.2	91.2	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
1300-1400	91.4	92.9	93.2	93.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1400-1500	91.7	94.2	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
1500-1600	92.6	95.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
1600-1700	93.3	95.9	96.9	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
1700-1800	94.1	97.1	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
1800-1900	94.2	97.2	98.2	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
1900-2000	95.1	98.1	99.2	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2000-2100	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2100-2200	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2200-2300	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2300-2400	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2400-2500	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2500-2600	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2600-2700	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2700-2800	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2800-2900	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2900-3000	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3000-3100	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3100-3200	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3200-3300	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3300-3400	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3400-3500	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3500-3600	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3600-3700	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3700-3800	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3800-3900	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3900-4000	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4000-4100	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4100-4200	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4200-4300	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4300-4400	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4400-4500	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4500-4600	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4600-4700	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4700-4800	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4800-4900	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4900-5000	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 93

CEILING VERSUS VISIBILITY

72 75 75

MINOT AFB NC

73-62

1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

62-222

[illegible]TOTAL NUMBER OF OBSERVATIONS 77

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND STATION NAME

73-42 YEAR

Aug

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

122-2332

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	71.5	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	73.4
≥20000	76.8	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.7
≥18000	77.0	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.9
≥16000	77.0	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.9
≥14000	78.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.9
≥12000	82.3	82.4	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	83.1
≥10000	82.8	84.9	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.6
≥9000	83.9	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.7
≥8000	86.0	88.2	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.8
≥7000	88.5	90.8	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.4
≥6000	91.0	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.9
≥5000	91.9	94.6	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.5
≥4500	92.5	95.2	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.1
≥4000	93.4	96.1	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2
≥3500	93.4	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.4
≥3000	93.8	96.5	96.9	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.7
≥2500	94.4	97.1	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.5
≥2000	94.3	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.0
≥1800	94.9	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.1
≥1600	94.9	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.1
≥1400	94.9	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.1
≥1200	95.2	97.8	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.3
≥1000	95.2	97.8	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.3
≥900	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥800	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥700	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥600	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥500	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥450	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥400	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥350	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥300	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥250	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥200	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥150	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥100	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ .00
20000	63.6	65.1	65.3	65.4	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.9	66.0
18000	69.4	70.9	71.1	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.8	71.9
16000	69.7	71.3	71.5	71.6	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.2	72.2
14000	69.9	71.4	71.6	71.6	72.0	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.3	72.4
12000	70.9	72.4	72.6	72.8	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.4	73.4
10000	73.3	75.0	75.2	75.4	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.9	76.0	76.0
8000	77.6	79.4	79.7	79.9	80.2	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.5	80.6	80.6
6000	76.9	80.8	81.1	81.3	81.6	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.9	82.0	82.0
4000	81.6	83.7	84.0	84.2	84.6	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.9	85.0	85.0
2000	83.7	85.9	86.2	86.5	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.1	87.2	87.3
1000	84.7	87.3	87.7	88.0	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.7	88.8
500	86.8	89.6	90.0	90.3	90.6	90.6	90.7	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.1	91.1
300	87.1	89.9	90.4	90.7	91.0	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.5	91.5
150	86.3	91.3	91.8	92.1	92.5	92.5	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.9	93.0
75	89.1	92.1	92.6	93.0	93.4	93.4	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.8	93.9
30	89.7	92.8	93.3	93.6	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.4	94.5	94.6
15	90.3	93.5	94.0	94.3	94.8	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.2	95.3	95.3
7.5	90.8	94.1	94.7	95.1	95.6	95.6	95.7	95.7	95.9	95.8	95.8	95.8	95.8	95.9	96.0	96.1
3.75	91.1	94.3	94.9	95.3	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.2	96.3
1.875	91.4	94.8	95.5	95.9	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.8	96.9
.9375	91.8	95.4	96.2	96.5	97.1	97.1	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.5	97.6
.46875	92.1	95.8	96.6	97.0	97.6	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.1	98.2
.234375	92.1	95.9	96.7	97.1	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.2	98.3
.1171875	92.1	96.0	96.8	97.2	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.3	98.4
.05859375	92.2	96.1	96.9	97.3	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.5	98.6
.029296875	92.2	96.3	97.1	97.6	98.2	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.8	98.9
.0146484375	92.3	96.4	97.3	97.7	98.5	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.1	99.2
.00732421875	92.3	96.5	97.4	97.9	98.7	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.4	99.5
.003662109375	92.3	96.6	97.5	97.9	98.7	98.8	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.5	99.6
.0018310546875	92.3	96.6	97.5	98.0	98.8	98.8	98.8	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.6	99.7
.00091552734375	92.3	96.6	97.5	98.0	98.8	98.8	98.8	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 7439

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB NO

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

133-0400

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	21	24	21	22	22	21	21	21	21	21	21	21	21	21
1000	66.3	66.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
900	66.9	69.1	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
800	69.3	69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
700	69.2	69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
600	69.9	71.1	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	71.3
500	72.9	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
400	75.2	76.4	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
300	76.1	76.3	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
200	80.1	80.3	80.3	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
100	81.7	82.1	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
000	84.1	84.8	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
5000	85.6	86.6	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
4500	85.7	86.7	86.7	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
4000	86.6	87.7	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
3500	87.3	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3000	88.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2500	88.9	90.8	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2000	87.6	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
1500	89.9	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
1000	90.8	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	93.0
500	91.2	93.4	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
000	91.6	93.8	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
5000	91.9	94.1	94.3	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
4000	92.0	94.4	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
3000	92.2	94.8	95.4	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
2000	92.2	94.9	95.7	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
1500	92.6	95.3	96.1	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1000	93.0	95.9	96.8	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
500	93.0	96.0	96.9	97.4	98.4	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
000	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
5000	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4000	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3000	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2000	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1500	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
000	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

337-2522

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	64.4	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	65.2
≥ 20000	66.9	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	67.3	67.7
≥ 18000	67.3	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.1
≥ 16000	67.3	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.1
≥ 14000	67.6	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3
≥ 12000	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6
≥ 10000	73.7	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.4
≥ 9000	76.0	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.9
≥ 8000	78.3	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.9
≥ 7000	79.1	79.6	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.2
≥ 6000	81.7	81.4	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	82.1
≥ 5000	83.0	83.9	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.6
≥ 4500	83.1	84.1	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.8
≥ 4000	83.9	85.3	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0
≥ 3500	84.4	86.3	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0
≥ 3000	85.2	87.3	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	88.0
≥ 2500	85.3	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.1
≥ 2000	85.8	87.9	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.6
≥ 1800	86.1	88.2	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.9
≥ 1500	87.0	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.8
≥ 1200	88.4	90.8	91.0	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.9
≥ 1000	88.8	91.1	91.3	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 900	89.2	91.6	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.7
≥ 800	89.6	91.9	92.2	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
≥ 700	89.7	92.2	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.4
≥ 600	90.3	93.1	93.8	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.6
≥ 500	91.0	93.8	94.9	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1
≥ 400	91.2	94.2	95.3	95.8	96.1	96.3	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.3
≥ 300	91.3	94.7	95.9	96.4	97.2	97.4	98.1	98.4	98.4	98.7	98.7	98.7	98.8	98.8	98.8	99.1
≥ 200	91.3	94.7	95.9	96.4	97.3	97.7	98.3	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.6
≥ 100	91.3	94.7	95.9	96.4	97.3	97.7	98.4	98.9	98.9	99.1	99.1	99.1	99.3	99.3	99.3	99.6
≥ 0	91.3	94.7	95.9	96.4	97.3	97.7	98.4	98.9	98.9	99.1	99.1	99.1	99.3	99.3	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-32

S&P

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

633-5433

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	57.3	59.1	59.6	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
18000	59.9	61.3	61.8	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
16000	60.3	61.8	62.2	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
14000	61.0	62.4	62.9	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
12000	61.9	63.3	63.8	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
10000	63.7	65.1	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
8000	66.8	68.3	68.9	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
6000	67.4	69.0	69.6	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4000	70.8	72.4	73.0	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
2000	72.6	74.4	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
1000	73.7	75.6	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
500	75.7	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
400	76.6	78.7	79.4	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
300	77.2	79.4	80.2	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
200	78.1	80.6	81.3	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
100	79.9	82.7	83.4	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
50	80.4	83.6	84.3	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
20	81.0	84.2	85.0	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
10	81.7	85.0	85.8	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
5	83.0	86.8	87.7	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
2	83.6	88.0	89.0	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1	84.0	88.4	89.4	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
0.5	84.4	89.1	90.2	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
0.2	85.0	89.7	90.8	91.1	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
0.1	85.4	90.2	91.4	92.0	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
0.05	86.1	91.0	92.4	93.3	94.4	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
0.02	86.6	91.7	93.1	94.0	95.1	95.3	95.9	96.1	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7
0.01	86.6	91.8	93.3	94.3	95.6	95.9	96.6	97.0	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8
0.005	86.6	91.8	93.4	94.4	95.7	96.1	97.0	97.6	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
0.002	86.6	91.8	93.4	94.4	95.7	96.1	97.0	97.6	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

937-1122

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	58.9	59.8	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4
≥18000	62.6	63.6	63.7	63.8	63.9	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥16000	62.9	63.9	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.6
≥14000	63.6	64.6	64.7	64.8	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.2
≥12000	64.1	65.1	65.2	65.3	65.4	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8
≥10000	65.7	66.9	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6
≥8000	69.5	71.7	71.8	71.9	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3
≥6000	70.6	71.7	71.8	71.9	72.1	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥4000	72.4	74.0	74.1	74.2	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8
≥2000	73.4	75.1	75.2	75.3	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥1000	74.7	76.4	76.6	76.7	76.9	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥800	76.2	77.9	78.1	78.2	78.4	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.8
≥600	76.3	78.2	78.4	78.6	78.8	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1
≥400	77.6	79.4	79.7	79.8	80.0	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3
≥200	78.6	80.6	80.8	80.9	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4
≥100	79.8	81.8	82.0	82.1	82.3	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.7
≥50	80.8	82.9	83.1	83.2	83.4	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.8
≥30	82.1	84.6	84.9	85.1	85.3	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.7
≥15	82.4	85.0	85.3	85.6	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.1
≥10	83.9	86.8	87.1	87.4	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0
≥5	85.6	89.3	89.7	90.1	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.8
≥3	86.1	90.4	90.9	91.4	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥2	86.7	91.7	92.1	92.7	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.4
≥1	87.2	92.4	92.9	93.6	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥0.5	87.3	92.9	93.7	94.3	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.1
≥0.2	87.7	93.2	94.1	94.8	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9
≥0.1	87.8	93.4	94.4	95.4	96.6	96.7	96.8	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.1
≥0.05	88.0	94.0	95.0	96.2	97.6	97.8	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.3
≥0.02	88.0	94.1	95.2	96.4	97.9	98.3	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.2
≥0.01	88.0	94.1	95.2	96.6	98.0	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥0.005	88.0	94.1	95.2	96.6	98.0	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINOT AFB ND 73-32 YEAR SEP 12-10-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	59.3	58.8	58.8	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	63.2	63.9	63.9	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	63.8	64.4	64.4	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000	63.9	64.6	64.6	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 14000	64.3	64.7	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	66.1	67.0	67.0	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	68.3	69.1	69.1	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000	69.1	70.2	70.2	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	70.4	71.7	71.7	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 7000	71.6	73.0	73.0	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 6000	72.1	73.6	73.6	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	74.0	75.4	75.4	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	75.0	76.6	76.6	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	77.3	78.9	78.9	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	78.9	81.0	81.0	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3000	82.0	82.2	82.2	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	83.6	86.1	86.1	86.2	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	86.0	88.8	88.8	88.9	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	86.8	89.7	89.7	89.8	90.2	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1600	88.0	91.2	91.2	91.3	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1400	89.8	94.0	94.1	94.2	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	90.3	94.8	95.0	95.2	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	90.9	95.3	95.6	95.8	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	91.1	95.8	96.0	96.2	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	91.2	96.1	96.3	96.6	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	91.6	96.4	96.8	97.1	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	91.8	96.7	97.1	97.4	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	91.8	96.7	97.1	97.6	98.8	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	91.8	96.7	97.1	97.6	98.8	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.8	96.7	97.1	97.6	98.8	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.8	96.7	97.1	97.6	98.8	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.8	96.7	97.1	97.6	98.8	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5-2-7200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	58.7	59.9	61.0	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	53.4	64.7	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	64.7	65.2	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
≥ 16000	64.1	65.3	65.4	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
≥ 14000	65.0	66.2	66.3	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
≥ 12000	66.8	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000	69.6	73.8	73.9	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
≥ 9000	70.6	71.8	71.9	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
≥ 8000	72.6	74.6	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
≥ 7000	73.6	75.6	75.7	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
≥ 6000	74.4	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 5000	76.2	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	77.2	79.3	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	79.8	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	81.8	84.4	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
≥ 3000	83.8	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	87.6	90.8	91.1	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	88.3	91.9	92.3	92.7	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	89.6	93.3	93.8	94.2	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1600	90.0	94.6	95.0	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1400	90.6	95.2	95.8	96.4	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	90.7	95.6	96.1	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	90.7	95.6	96.1	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	90.7	95.6	96.1	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	90.7	95.6	96.1	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	90.9	96.1	96.7	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	91.1	96.6	97.2	97.9	98.6	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	91.2	96.7	97.3	98.0	98.9	98.9	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB MD

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13-2-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	62.3	62.9	63.1	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
≥ 20000	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 18000	69.8	69.4	69.6	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
≥ 16000	69.9	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 14000	69.8	70.4	70.6	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
≥ 12000	71.8	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
≥ 10000	73.9	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
≥ 9000	75.1	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	77.3	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	76.8	80.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000	79.9	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	82.4	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	83.3	85.2	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
≥ 4000	85.8	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
≥ 3500	87.1	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3000	88.6	90.3	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
≥ 2500	90.1	92.1	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
≥ 2000	90.7	92.9	93.3	93.4	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	91.1	93.4	93.9	94.0	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1600	91.3	93.6	94.3	94.4	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1400	91.7	94.4	95.0	95.2	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	91.9	94.8	95.3	95.6	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	92.1	95.0	95.7	95.9	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	92.3	95.2	95.9	96.1	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	92.8	95.7	96.3	96.8	97.8	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	92.7	95.8	96.7	97.3	98.4	98.6	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 970

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

6-0

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-0322

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	66.4	66.1	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
8000	70.4	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
6000	71.0	71.1	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
4000	71.1	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	71.6
2000	71.8	71.9	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
1000	74.4	74.6	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
800	77.6	77.7	77.8	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
600	79.1	79.2	79.3	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
400	80.3	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
200	81.3	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
100	82.3	82.8	82.9	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
80	84.4	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	85.2
60	85.6	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
40	86.8	87.2	87.3	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
20	87.8	88.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
10	87.1	87.4	87.7	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
8	90.1	90.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
6	91.1	92.0	93.0	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
4	91.2	92.9	93.1	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
2	91.3	93.4	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1	92.1	94.2	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
0.8	92.1	94.3	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
0.6	92.4	94.8	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
0.4	92.6	94.9	95.2	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0.2	92.6	94.9	95.2	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0.1	92.6	95.0	95.3	95.9	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0.08	92.6	95.3	95.9	96.7	97.8	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.06	92.9	95.8	96.3	97.2	98.4	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.04	92.9	95.8	96.4	97.3	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0.02	92.9	95.8	96.6	97.4	98.7	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.01	92.9	95.8	96.6	97.4	98.7	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00	92.9	95.8	96.6	97.4	98.7	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-62

618

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	200	20	21	24	25	27	28	30	32	34	36	38	40	45	50	55
NO. OF OBS.	51.6	62.2	67.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7
2-10000	55.4	56.1	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.6
2-1000	65.7	66.6	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
2-1000	66.1	66.8	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3
2-1000	66.8	67.5	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	68.0
2-1000	66.9	67.7	67.8	67.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2
2-1000	71.9	72.7	72.8	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
2-1000	73.3	74.1	74.2	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2-1000	75.3	76.3	76.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.9
2-1000	76.5	77.7	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3
2-1000	77.8	79.1	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.7
2-1000	79.7	81.1	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7
2-1000	81.4	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2-1000	81.7	83.4	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
2-1000	83.0	84.8	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.5
2-1000	84.2	86.1	86.3	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
2-1000	85.0	88.0	88.2	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7
2-1000	86.8	89.2	89.5	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
2-1000	87.3	89.8	90.1	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.9
2-1000	88.1	90.5	91.1	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	92.0
2-1000	89.0	92.3	92.7	93.0	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6
2-1000	89.4	92.8	93.3	93.6	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.4
2-1000	89.7	93.3	93.8	94.1	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
2-1000	90.0	93.7	94.2	94.5	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.3
2-1000	90.2	94.0	94.6	95.0	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.8
2-1000	90.5	94.4	95.1	95.5	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.6
2-1000	90.7	94.8	95.6	96.3	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.8
2-1000	91.0	95.1	96.0	96.7	97.8	97.9	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.9
2-1000	91.2	95.2	96.1	96.9	98.0	98.3	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.5
2-1000	91.5	95.2	96.2	96.9	98.1	98.4	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
2-1000	91.8	95.2	96.2	96.9	98.1	98.4	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.9
2-1000	91.0	95.2	96.2	96.9	98.1	98.4	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 7,000

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

727575 HINGO AFB MO

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

ELEVATION FEET		VISIBILITY STAT IN MILES																			
		200	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
100	BRN	62.7	62.6	62.7	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
100	WMA	65.5	65.5	66.1	66.2	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	66.6	66.6	66.6
100	BRN	65.6	66.1	66.2	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	66.7
100	WMA	65.8	66.3	66.5	66.6	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	66.9
100	BRN	66.6	67.1	67.2	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
100	WMA	68.1	68.6	68.7	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
100	BRN	71.1	71.6	71.7	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
100	WMA	71.6	72.2	72.3	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
100	BRN	75.3	75.8	75.9	76.1	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	76.6
100	WMA	76.9	77.4	77.5	77.7	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
100	BRN	77.4	78.1	78.2	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
100	WMA	78.3	78.9	79.0	79.2	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
100	BRN	81.1	81.7	81.8	82.0	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
100	WMA	82.4	83.1	83.2	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
100	BRN	84.6	85.4	85.5	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
100	WMA	86.5	87.3	87.6	88.0	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	88.4
100	BRN	88.2	89.0	89.4	89.7	90.2	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
100	WMA	88.5	89.4	89.7	90.0	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
100	BRN	89.1	90.4	90.8	91.2	91.8	91.9	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
100	WMA	89.5	91.0	91.3	91.7	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
100	BRN	90.1	91.9	92.3	92.8	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
100	WMA	90.8	92.8	93.3	93.9	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
100	BRN	91.3	93.4	94.1	94.6	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
100	WMA	91.4	93.5	94.2	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
100	BRN	91.7	93.9	94.5	95.6	96.5	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	97.0
100	WMA	91.7	94.0	94.7	95.9	97.0	97.2	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	97.7
100	BRN	91.7	94.0	94.7	95.9	97.0	97.2	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	97.7
100	WMA	91.7	94.0	94.7	95.9	97.0	97.2	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	97.7
100	BRN	91.7	94.0	94.7	95.9	97.0	97.2	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	97.7
100	WMA	91.7	94.0	94.7	95.9	97.0	97.2	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	97.7

TOTAL NUMBER OF OBSERVATIONS 27

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

127575

MINOT AFF 10

73-02

041

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

137-000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	20	21	24	25	22	23	2	21	21	24	24	2	25	25	25
1000	59.8	59.8	59.7	60.1	60.1	60.1	60.3	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
900	64.5	64.9	65.1	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
800	65.1	65.4	65.5	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
700	65.3	65.6	65.7	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
600	66.3	66.7	66.8	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
500	68.1	68.5	68.5	68.8	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
400	72.2	72.6	72.7	72.9	72.9	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
300	72.5	73.2	73.3	73.5	73.5	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
200	75.2	75.5	75.7	75.9	75.9	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
100	75.9	76.3	76.5	76.7	76.7	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
50	76.3	76.6	76.9	77.1	77.1	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5
0	77.3	78.1	78.2	78.4	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
400	78.3	79.6	79.7	79.9	79.9	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3
300	78.2	80.6	80.8	81.0	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4
200	81.6	82.6	82.7	82.9	82.9	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
100	84.2	84.7	84.8	85.1	85.1	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5
50	85.7	86.0	86.7	86.9	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
0	87.1	88.0	88.3	88.5	88.5	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
400	87.8	88.8	89.1	89.4	89.4	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
300	89.0	90.2	90.3	90.5	90.5	90.5	90.6	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3
200	90.1	91.5	92.0	92.3	92.4	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
100	90.3	92.2	92.8	93.1	93.2	93.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
50	91.1	92.8	93.4	93.8	93.9	93.9	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7
0	91.6	93.3	94.1	94.4	94.8	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
400	91.6	93.5	94.4	94.8	95.3	95.3	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1
300	91.7	94.0	95.1	95.7	96.2	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
200	92.0	94.3	95.4	96.0	96.7	96.7	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
100	92.2	94.4	95.5	96.2	96.9	96.9	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
50	92.2	94.4	95.5	96.2	96.9	96.9	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
0	92.2	94.4	95.5	96.2	96.9	96.9	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4

TOTAL NUMBER OF OBSERVATIONS 03

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

73-32

2-7

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1-2-1952

ELEVATION FEET		ANBLY STATEMENT															
		200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
1000	1000	55.7	56.7	58.7	56.8	57.3	57.1	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7
1000	1000	59.6	60.4	60.4	60.6	60.9	61.0	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.6
1000	1000	60.2	61.1	61.1	61.3	61.5	61.6	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.3
1000	1000	60.2	61.1	61.1	61.3	61.5	61.6	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.3
1000	1000	61.7	62.7	62.7	62.9	63.1	63.2	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9
1000	1000	64.4	65.4	65.4	65.6	65.8	65.9	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.6
1000	1000	67.1	68.1	68.2	68.4	68.6	68.7	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.3
1000	1000	68.3	69.2	69.4	69.6	69.8	69.9	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5
1000	1000	71.8	72.8	72.9	73.1	73.3	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.1
1000	1000	73.0	74.0	74.1	74.3	74.5	74.6	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.3
1000	1000	73.9	74.8	74.9	75.2	75.4	75.5	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1
1000	1000	74.5	75.7	75.8	76.1	76.5	76.6	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2
1000	1000	75.4	76.6	76.7	77.0	77.3	77.4	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.1
1000	1000	76.7	77.8	78.0	78.3	78.6	78.7	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.3
1000	1000	78.5	79.7	79.8	80.1	80.4	80.5	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.2
1000	1000	80.2	81.5	81.7	82.0	82.4	82.5	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1
1000	1000	82.5	84.0	84.2	84.5	84.8	84.9	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6
1000	1000	84.4	86.0	86.2	86.6	86.9	87.0	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.6
1000	1000	84.8	86.5	86.7	87.0	87.3	87.4	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.1
1000	1000	86.3	88.1	88.3	88.7	89.1	89.2	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.9
1000	1000	87.2	89.1	89.6	90.1	90.5	90.6	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.3
1000	1000	87.8	90.3	90.9	91.4	91.9	92.0	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7
1000	1000	88.0	90.4	91.0	91.5	92.2	92.4	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.0
1000	1000	88.1	90.8	91.4	92.2	93.2	93.4	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1
1000	1000	88.2	91.0	91.7	92.5	93.8	94.0	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6
1000	1000	88.2	91.4	92.3	93.1	94.4	94.6	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.5
1000	1000	88.6	92.2	93.4	94.4	96.0	96.3	97.0	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7
1000	1000	88.7	92.4	93.6	94.6	96.5	96.8	97.4	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.2
1000	1000	88.7	92.4	93.8	94.9	96.6	96.9	97.5	97.8	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.5
1000	1000	88.7	92.5	93.9	95.1	96.8	97.1	97.7	98.1	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.7
1000	1000	88.7	92.5	93.9	95.1	96.8	97.1	97.7	98.1	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.8
1000	1000	88.7	92.5	93.9	95.1	96.8	97.1	97.7	98.1	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.8

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB NO

73-57

101

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1100

		VISIBILITY - STATUTE MILES															
		20	26	27	24	25	22	23	2	21	24	24	2	25	6	7	20
1	1000	51.3	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
2	900	57.7	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
3	800	57.6	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
4	700	58.2	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
5	600	59.7	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
6	500	63.4	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
7	400	66.7	68.3	68.5	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
8	300	68.3	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
9	200	72.8	72.4	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
10	100	72.2	73.6	74.2	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
11	0	73.2	74.8	75.1	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
12	900	74.8	76.5	76.7	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
13	800	75.2	77.1	77.3	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
14	700	76.3	78.3	78.5	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
15	600	77.2	79.4	79.6	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
16	500	78.3	80.5	80.8	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
17	400	79.1	81.8	82.1	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
18	300	81.1	83.9	84.2	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
19	200	81.8	84.8	85.2	85.4	85.9	86.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
20	100	83.8	87.2	87.6	87.6	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
21	0	84.8	88.5	89.0	89.4	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
22	900	85.1	89.4	90.0	90.4	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
23	800	85.5	90.7	90.6	91.1	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
24	700	85.8	90.5	91.5	91.9	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
25	600	85.8	90.6	91.6	92.3	93.3	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
26	500	86.7	90.9	92.7	92.7	94.0	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
27	400	86.0	91.3	92.6	93.8	95.8	96.1	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
28	300	86.0	91.3	92.6	94.0	96.2	96.6	96.9	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
29	200	86.0	91.3	92.6	94.0	96.2	96.7	97.0	97.5	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1
30	100	86.0	91.3	92.6	94.0	96.2	96.7	97.0	97.5	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 230

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINGT AFB ND

73-87

261

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1988

CEILING FEET	VISIBILITY - STATUTE MILES															
	200	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
20000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
18000	58.3	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
16000	58.5	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
14000	59.9	61.0	61.7	61.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
12000	62.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
10000	65.3	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
8000	66.8	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
6000	69.9	71.5	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
4000	71.4	73.1	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2000	72.9	73.9	73.9	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
1000	72.9	74.9	75.1	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
500	73.3	75.7	75.8	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
200	74.4	76.8	76.9	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
100	74.8	77.2	77.3	77.3	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
50	76.6	79.2	79.4	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
25	80.2	83.1	83.2	83.2	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
15	83.2	86.6	86.7	86.7	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
10	84.1	87.4	87.5	87.5	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
5	85.4	89.2	89.7	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2	85.9	90.1	90.9	91.1	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
1	87.3	91.7	92.7	92.9	93.5	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
0.5	87.3	91.8	93.1	93.3	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
0.2	87.4	92.4	93.8	94.2	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
0.1	87.6	92.8	94.3	94.7	95.5	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0.05	87.6	92.9	94.7	95.3	96.0	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
0.02	87.6	93.0	95.1	95.8	97.1	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0.01	87.6	93.0	95.2	95.9	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0.005	87.6	93.0	95.2	95.9	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0.002	87.6	93.0	95.2	95.9	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0.001	87.6	93.0	95.2	95.9	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS

230

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-82 YEAR 261

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-2-1730

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	51.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥8000	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥6000	58.2	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
≥4000	58.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥3000	60.1	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	61.4
≥2000	63.5	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
≥1800	67.1	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
≥1600	69.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥1400	71.7	73.5	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥1200	73.3	74.8	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥1000	73.8	75.9	76.3	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
≥800	75.6	77.8	78.1	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
≥600	77.3	79.2	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥400	78.3	80.8	81.7	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥200	82.5	83.2	83.4	83.7	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥100	82.2	84.8	85.1	85.3	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥80	84.1	86.9	87.2	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥60	86.3	89.5	89.9	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥40	87.2	90.6	91.1	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥30	87.6	91.7	92.4	92.6	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥20	88.3	93.3	94.1	94.4	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥10	88.8	94.4	95.3	95.6	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥8	88.9	94.8	95.9	96.2	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥6	88.9	95.1	96.1	96.5	96.7	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥4	89.2	95.7	96.8	97.1	97.4	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥3	89.2	95.7	96.8	97.1	97.4	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥2	89.2	95.7	96.8	97.1	97.4	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥1	89.2	95.7	96.8	97.1	97.4	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0	89.2	95.7	96.8	97.1	97.4	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

007

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5-2-73

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	53.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	63.5	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	69.8	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 9000	71.1	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
≥ 8000	74.9	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	76.2
≥ 7000	76.1	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
≥ 6000	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	78.0	79.6	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
≥ 4500	79.0	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	80.3	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	82.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	85.1	87.5	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	86.3	89.0	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	88.0	91.2	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
≥ 1800	89.0	92.5	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1600	90.4	94.2	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1400	91.5	95.5	96.1	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	91.6	95.9	96.7	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
≥ 900	91.9	96.3	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	91.9	96.3	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	92.6	97.0	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	92.8	97.3	98.1	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	92.8	97.4	98.3	98.7	98.7	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	92.3	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	92.8	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	92.8	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	92.8	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	92.8	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

STATION NAME

73-32

YEARS

201

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	20
20000	58.1	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
18000	63.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
16000	63.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
14000	63.5	64.5	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
12000	64.2	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	67.3	68.4	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
8000	71.2	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
6000	72.4	73.5	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
4000	76.2	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
2000	77.4	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1000	77.8	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
500	79.4	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
400	81.2	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
300	83.4	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
200	85.3	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
100	87.3	89.2	89.4	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
50	88.8	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
20	89.6	91.9	92.7	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
10	90.4	92.8	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	93.3
5	91.1	93.6	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2	91.8	94.6	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1	92.3	95.1	95.9	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
0	92.5	95.5	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
30	92.8	95.8	96.7	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
20	92.8	95.8	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
10	92.8	95.8	96.9	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
5	92.8	95.9	97.1	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2	92.8	96.0	97.2	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
1	92.8	96.0	97.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	92.8	96.0	97.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AI- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-82

CLT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.3	55.9	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	55.7	61.6	61.6	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	61.2	62.0	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	61.5	62.4	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	62.8	63.6	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0
≥ 12000	65.4	66.4	66.4	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	68.6	69.9	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
≥ 9000	70.7	71.1	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	71.6
≥ 8000	73.2	74.4	74.5	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0
≥ 7000	74.5	75.7	75.8	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3
≥ 6000	75.1	76.5	76.6	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
≥ 5000	76.3	77.8	78.0	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 4500	77.4	78.9	79.1	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000	78.5	80.2	80.3	80.5	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500	80.2	81.9	82.1	82.2	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
≥ 3000	82.0	83.8	84.0	84.2	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7
≥ 2500	84.0	86.0	86.2	86.4	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9
≥ 2000	85.9	88.2	88.4	88.6	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	86.6	89.0	89.3	89.5	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1
≥ 1600	87.8	90.5	90.8	91.1	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1400	88.5	91.6	92.2	92.5	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2
≥ 1200	89.1	92.6	93.2	93.6	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
≥ 1000	89.5	93.0	93.8	94.2	94.6	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	89.7	93.4	94.3	94.7	95.2	95.3	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	89.9	93.7	94.7	95.2	95.8	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4
≥ 700	90.0	93.9	95.0	95.6	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9	96.9
≥ 600	90.1	94.2	95.4	96.1	97.0	97.1	97.6	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.1	98.1
≥ 500	90.1	94.3	95.5	96.3	97.3	97.5	97.9	98.2	98.2	98.5	98.6	98.6	98.6	98.7	98.7	98.8
≥ 400	90.1	94.3	95.6	96.4	97.4	97.5	98.0	98.4	98.4	98.8	98.9	98.9	98.9	98.9	99.0	99.1
≥ 300	90.1	94.3	95.6	96.4	97.4	97.5	98.0	98.4	98.5	99.0	99.2	99.2	99.2	99.3	99.4	99.6
≥ 200	90.1	94.3	95.6	96.4	97.4	97.5	98.0	98.4	98.5	99.1	99.3	99.3	99.3	99.5	99.7	99.9
≥ 100	90.1	94.3	95.6	96.4	97.4	97.5	98.0	98.4	98.5	99.1	99.3	99.4	99.4	99.5	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 748

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AZ- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-62

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

333-0430

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	22	21	21	20	20	19	18	17	16	15
NO CEILING	55.2	56.2	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2 20000	58.7	59.8	60.7	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2 18000	58.9	60.0	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2 16000	59.6	60.7	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2 14000	60.2	61.4	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
2 12000	62.0	63.2	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
2 10000	64.7	65.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
2 9000	64.2	65.4	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
2 8000	65.7	66.9	67.9	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2 7000	67.3	69.0	70.0	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
2 6000	68.2	70.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2 5000	68.9	71.1	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
2 4500	70.1	72.3	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
2 4000	71.8	74.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2 3500	74.4	77.3	78.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2 3000	76.2	79.3	80.6	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
2 2500	78.7	81.4	82.7	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2 2000	79.2	83.1	84.3	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
2 1800	79.8	83.9	85.1	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
2 1600	80.6	84.9	86.4	86.4	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2 1400	82.4	87.3	89.1	89.1	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2 1200	83.7	88.8	90.6	90.6	91.0	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2 1000	84.7	90.0	91.8	91.8	92.2	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
2 900	84.9	90.4	92.2	92.2	92.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2 800	85.7	91.4	93.2	93.2	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2 700	85.8	91.9	93.7	93.7	94.1	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2 600	86.1	92.4	94.6	94.6	95.2	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2 500	86.2	92.6	94.8	94.8	95.8	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2 400	86.2	92.6	94.8	94.8	95.8	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2 300	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2 200	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2 100	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2 00	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-67

YEAR

400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-250

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	20
1000	54.3	55.0	55.5	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.1	56.2	56.2	56.3
800	57.7	58.3	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.4	59.5	59.6	59.7
600	57.7	58.3	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.4	59.5	59.6	59.7
400	57.8	58.4	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.5	59.6	59.7	59.8
200	58.4	59.1	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.2	60.3	60.4	60.4
100	58.5	61.2	61.3	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.4	62.4	62.6	62.7	62.7
50	63.1	63.8	64.3	64.4	64.9	64.9	65.0	65.0	65.0	65.0	65.1	65.2	65.3	65.3	65.4	65.4
25	63.5	64.3	64.9	65.0	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.9	66.0	66.0	66.1	66.1
15	64.8	65.7	66.2	66.3	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.2	67.3	67.3	67.4	67.4
10	65.7	66.9	67.4	67.6	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.4	68.5	68.6	68.7	68.7
5	66.7	67.3	67.7	68.0	68.6	68.6	68.7	68.7	68.7	68.7	68.8	68.9	69.0	69.0	69.1	69.1
2	67.3	68.7	69.2	69.3	69.9	70.0	70.1	70.1	70.1	70.1	70.2	70.3	70.4	70.4	70.6	70.6
1	68.6	70.0	70.6	70.7	71.2	71.3	71.4	71.4	71.4	71.4	71.6	71.7	71.8	71.8	71.9	71.9
0	69.0	70.4	71.1	71.3	72.0	72.1	72.3	72.4	72.4	72.4	72.5	72.7	72.8	72.8	72.9	72.9
1000	70.2	71.8	72.4	72.7	73.4	73.6	73.8	73.9	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.3
800	72.9	74.7	75.4	75.7	76.6	76.7	77.0	77.1	77.1	77.2	77.3	77.4	77.4	77.6	77.6	77.6
600	75.3	76.9	77.7	77.9	78.8	79.0	79.4	79.6	79.6	79.7	79.8	79.9	79.9	80.0	80.0	80.0
400	75.6	78.0	78.8	79.0	79.9	80.1	80.6	80.7	80.7	80.8	80.9	81.0	81.0	81.1	81.1	81.1
200	75.9	78.9	79.8	80.0	80.9	81.1	81.6	81.7	81.7	81.8	81.9	82.0	82.0	82.1	82.1	82.1
100	77.8	81.0	81.9	82.1	83.0	83.2	83.7	83.8	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.2
50	80.3	84.0	85.0	85.3	86.2	86.4	87.0	87.1	87.1	87.2	87.3	87.4	87.4	87.6	87.6	87.6
25	82.1	86.3	87.3	87.8	88.7	88.9	89.4	89.7	89.7	89.8	90.0	90.1	90.1	90.2	90.2	90.2
15	82.3	87.1	88.2	88.8	89.7	89.9	90.5	90.8	90.8	90.9	91.6	91.7	91.7	91.8	91.8	91.8
10	82.8	87.9	89.0	89.7	90.6	90.8	91.4	91.7	91.7	91.8	92.8	92.9	92.9	93.0	93.0	93.0
5	83.9	89.2	90.3	91.0	91.9	92.1	92.9	93.1	93.2	93.3	94.4	94.6	94.6	94.7	94.7	94.7
2	84.3	90.3	91.4	92.1	93.0	93.2	94.0	94.3	94.4	94.7	95.8	95.9	95.9	96.0	96.0	96.0
0	84.7	90.9	92.1	92.8	93.9	94.1	94.9	95.3	95.4	95.9	97.0	97.1	97.1	97.2	97.2	97.2
1000	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
800	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
600	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
400	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
200	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
100	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
50	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
25	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
15	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
10	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
5	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
2	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
0	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AID WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-02

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

030-0000

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	53.4	54.4	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
18000	56.3	57.4	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
16000	56.6	57.7	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
14000	56.6	57.7	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
12000	56.9	58.0	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
10000	58.9	60.0	60.7	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
8000	61.2	62.4	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
6000	61.4	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	63.2	63.2
4000	63.1	64.3	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
2000	63.2	65.1	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
1000	64.0	65.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
500	65.1	66.6	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
250	66.4	68.1	68.6	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
100	66.8	68.4	69.0	69.3	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
50	68.0	69.6	70.4	71.0	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
25	68.7	70.6	71.2	71.8	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
10	70.1	72.1	73.2	74.0	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
5	71.7	73.8	74.9	75.6	76.9	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2	72.1	74.7	75.8	76.7	77.8	78.1	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
1	74.0	77.0	78.2	79.3	80.4	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
0.5	77.1	80.4	81.7	82.8	84.0	84.4	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
0.25	78.0	82.1	83.4	84.6	85.8	86.2	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
0.1	79.3	83.8	85.1	86.2	87.4	87.9	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
0.05	80.0	84.6	85.9	87.0	88.4	88.9	89.7	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
0.025	80.9	85.4	86.8	88.0	89.4	89.9	90.7	91.0	91.1	91.2	91.6	91.6	91.6	91.6	91.6	91.6
0.01	81.7	86.6	88.0	89.2	90.7	91.1	92.0	92.3	92.4	92.6	93.0	93.0	93.0	93.0	93.0	93.0
0.005	82.7	87.7	89.1	90.4	91.9	92.3	93.2	93.7	93.8	93.9	94.6	94.6	94.6	94.6	94.6	94.6
0.0025	83.0	88.6	90.3	91.8	93.2	93.7	94.6	95.0	95.1	95.3	96.1	96.1	96.1	96.1	96.1	96.1
0.001	83.1	88.7	90.4	92.0	93.8	94.2	95.2	95.9	96.0	96.3	97.3	97.3	97.3	97.3	97.3	97.3
0.0005	83.0	88.8	90.6	92.1	93.9	94.4	95.4	96.1	96.2	96.6	97.6	97.6	97.6	97.6	97.6	97.6
0.00025	83.0	88.8	90.7	92.2	94.1	94.7	95.7	96.3	96.4	96.8	97.9	97.9	97.9	97.9	97.9	97.9
0.0001	83.0	88.8	90.7	92.2	94.1	94.7	95.7	96.3	96.4	96.8	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

227575

MINOT AFB ND

73-32

4-4

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

212-1122

ELEVATION FEET	VISIBILITY, STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	51.6	51.7	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6
9000	56.7	57.2	57.4	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.7	58.1
8000	56.4	57.4	57.9	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.6
7000	56.6	57.6	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.7
6000	57.7	58.2	58.4	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1
5000	58.8	59.8	61.2	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9
4000	62.9	64.4	65.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.7
3000	63.9	65.4	66.7	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.8
2000	65.9	67.6	68.1	68.4	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9
1000	66.2	67.9	68.4	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.3
500	66.6	68.4	69.7	69.3	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.9
400	66.9	68.9	69.4	70.1	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.8
300	68.3	70.0	70.7	71.3	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	72.0
200	68.4	71.1	71.2	72.6	73.1	73.1	73.3	73.3	73.3	73.3	73.4	73.6	73.6	73.6	73.7	73.8
100	69.1	71.9	72.7	73.4	74.0	74.0	74.2	74.3	74.3	74.4	74.6	74.6	74.6	74.6	74.7	74.8
50	70.3	73.0	73.8	74.0	75.2	75.2	75.4	75.6	75.6	75.7	75.8	75.8	75.8	75.9	76.1	76.2
20	71.3	74.7	75.6	76.4	77.1	77.2	77.4	77.6	77.6	77.7	77.9	77.9	77.9	77.9	78.1	78.1
10	72.4	76.2	76.9	77.8	78.7	78.8	79.7	79.1	79.1	79.2	79.7	79.7	79.7	79.7	79.8	79.9
5	72.6	76.4	77.3	78.2	79.1	79.2	79.6	79.7	79.7	79.8	80.2	80.2	80.2	80.3	80.4	80.4
2	74.4	78.1	79.0	80.0	80.9	81.0	81.4	81.7	81.7	81.8	82.2	82.2	82.2	82.3	82.4	82.4
1	76.2	81.0	82.2	83.4	84.4	84.6	85.2	85.6	85.6	85.7	86.1	86.1	86.1	86.2	86.3	86.3
0.5	77.7	83.0	84.3	85.6	86.6	86.7	87.3	87.7	87.7	87.8	88.3	88.3	88.3	88.4	88.6	88.6
0.25	78.7	84.0	85.3	86.6	87.6	87.7	88.3	88.7	88.7	88.9	89.4	89.4	89.4	89.5	89.7	89.7
0.1	79.2	85.0	86.3	87.6	88.6	88.7	89.3	89.8	89.8	90.0	90.6	90.6	90.6	90.7	90.8	90.8
0.05	80.0	86.0	87.3	88.7	89.7	89.8	90.4	90.9	90.9	91.1	91.7	91.8	91.9	92.0	92.1	92.1
0.025	80.7	86.8	88.2	89.7	90.7	90.8	91.4	91.9	91.9	92.1	92.8	92.9	93.0	93.1	93.2	93.2
0.01	81.1	87.6	89.1	90.7	91.8	91.9	92.7	93.2	93.2	93.4	94.1	94.2	94.3	94.4	94.6	94.6
0.005	81.4	87.9	89.7	91.2	92.6	92.8	93.6	94.3	94.3	94.8	95.7	95.8	95.9	96.1	96.2	96.2
0.0025	81.6	88.0	89.8	91.4	92.8	93.0	94.1	95.1	95.1	96.1	97.1	97.3	97.6	98.0	98.3	98.7
0.001	81.6	88.0	89.8	91.4	92.8	93.0	94.1	95.1	95.1	96.2	97.2	97.6	97.9	98.7	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
JOPFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

STATION NAME

73-22

YEAR

844

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-2-1433

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	28	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	54.7	54.3	54.5	54.7	54.8	54.5	54.8	54.5	54.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8
8000	59.1	54.8	61.2	61.4	61.6	61.5	61.6	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
6000	59.3	61.0	61.4	61.7	61.8	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
4000	59.3	61.0	61.4	61.7	61.8	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2000	59.8	61.4	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
1000	61.7	62.3	62.8	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
800	66.2	67.2	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
600	66.2	67.2	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
400	67.0	69.1	69.4	70.1	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
200	67.4	69.5	70.3	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
100	67.3	70.0	70.8	71.1	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
80	67.2	70.0	71.1	71.4	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
60	68.1	71.4	71.3	71.7	72.2	72.2	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5
40	68.3	71.6	72.4	72.6	73.3	73.3	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7
20	69.8	72.6	73.4	73.8	74.3	74.3	74.4	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7
10	71.9	73.7	74.6	74.9	75.4	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8
8	72.2	75.1	76.1	76.6	77.1	77.1	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
6	73.4	76.6	77.6	78.0	78.6	78.7	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
4	74.2	77.3	78.4	78.9	79.4	79.6	80.0	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2	76.2	79.7	80.8	81.2	81.8	81.9	82.3	82.4	82.4	82.8	82.8	83.0	83.0	83.1	83.1	83.1
1	77.9	81.7	83.4	84.0	84.6	84.8	85.6	85.9	85.9	86.3	86.6	86.6	86.6	86.7	86.7	86.7
0.8	79.2	84.0	85.9	86.4	87.1	87.3	88.4	88.6	88.6	89.2	89.2	89.2	89.2	89.3	89.3	89.4
0.6	80.0	85.1	87.0	87.6	88.2	88.4	89.8	89.9	89.9	90.3	90.6	90.6	90.6	90.7	90.7	90.9
0.4	80.8	86.0	88.0	88.6	89.3	89.6	90.9	91.1	91.1	91.5	91.8	91.8	91.8	91.9	91.9	92.1
0.2	81.8	87.4	89.6	90.3	91.1	91.3	92.7	92.9	92.9	93.3	93.6	93.6	93.6	93.7	93.7	93.9
0.1	82.4	88.3	90.7	91.7	92.4	92.7	94.0	94.2	94.2	94.7	94.9	94.9	94.9	95.3	95.3	95.6
0.08	82.7	88.7	91.1	92.2	93.1	93.3	94.8	95.0	95.0	95.5	95.8	95.8	95.8	96.2	96.2	96.4
0.06	83.1	89.2	91.8	93.0	94.1	94.6	96.0	96.3	96.4	97.1	97.3	97.3	97.3	97.8	97.8	98.0
0.04	83.1	89.2	91.8	93.4	94.6	95.1	96.6	96.9	97.0	97.8	98.0	98.0	98.0	98.4	98.4	98.7
0.02	83.1	89.2	91.8	93.4	94.6	95.1	96.7	97.0	97.1	98.2	98.6	98.6	98.6	99.1	99.1	99.3
0.01	83.1	89.2	91.8	93.4	94.6	95.1	96.7	97.0	97.1	98.3	98.7	98.8	98.8	99.4	99.4	99.4
0.00	83.1	89.2	91.8	93.4	94.6	95.1	96.7	97.0	97.1	98.3	98.7	98.8	98.8	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

2700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-37

Y.Y.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-1-73

CEILING (FEET)	VISIBILITY STATISTICS															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	55.1	55.6	55.9	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1
900	62.2	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
800	62.7	63.7	63.7	63.9	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
700	62.7	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
600	63.5	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
500	65.4	66.4	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
400	69.7	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
300	69.3	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	70.8	70.8
200	70.8	72.2	72.4	72.4	72.7	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
100	71.9	73.3	73.5	73.5	73.8	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
50	72.7	73.4	73.7	73.7	73.9	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
20	72.2	73.6	74.0	74.0	74.2	74.4	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
10	72.8	74.3	74.8	74.8	75.0	75.2	75.4	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8
5	73.7	75.3	75.5	75.5	75.8	76.0	76.2	76.4	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8
2	74.1	75.9	76.3	76.3	76.7	76.9	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
1	75.3	77.6	78.3	78.4	78.9	79.1	79.3	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
0	76.9	79.7	80.4	80.6	81.0	81.3	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
0	77.3	81.1	82.0	82.1	82.7	83.0	83.4	83.8	83.8	83.8	84.1	84.2	84.2	84.2	84.2	84.2
0	78.9	81.7	82.6	82.7	83.2	83.6	84.2	84.6	84.6	84.6	84.9	85.1	85.0	85.0	85.0	85.0
0	82.1	83.1	84.3	84.4	85.1	85.4	86.2	86.6	86.6	86.6	86.6	87.0	87.1	87.1	87.1	87.1
0	82.2	85.8	87.0	87.1	87.9	88.3	89.4	89.8	89.8	89.8	89.8	90.2	90.3	90.3	90.3	90.3
0	82.7	86.6	87.9	88.0	88.8	89.3	90.7	91.0	91.0	91.0	91.0	91.4	91.6	91.7	91.7	91.7
0	83.7	87.9	89.3	89.6	90.4	91.0	92.3	92.8	92.8	92.8	93.2	93.3	93.4	93.4	93.4	93.4
0	83.8	88.1	89.6	89.9	90.8	91.3	92.8	93.2	93.2	93.2	93.7	93.8	93.9	93.9	93.9	94.1
0	84.0	88.4	90.0	90.4	91.4	92.0	93.4	93.9	93.9	94.0	94.4	94.6	94.7	94.7	94.7	94.9
0	84.2	88.9	90.4	91.0	92.2	92.9	94.3	95.1	95.1	95.1	95.3	95.8	95.9	96.0	96.0	96.2
0	84.3	89.1	90.8	91.4	92.9	93.6	95.1	95.8	95.2	96.6	97.0	97.1	97.3	97.3	97.4	97.7
0	84.3	89.1	91.0	91.7	93.4	94.1	95.7	96.4	97.0	97.3	97.8	97.9	98.1	98.1	98.2	98.4
0	84.3	89.1	91.7	92.3	94.1	94.8	96.3	97.1	97.7	98.0	98.4	98.6	98.8	98.8	98.9	99.1
0	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	98.9	99.0	99.2	99.2	99.3	99.6
0	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	99.0	99.1	99.3	99.3	99.4	100.0
0	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	99.0	99.1	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

137675

MINOT AFB MO

73-82

4-8

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0-2-2-2-2

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	31	34	37	41	45	50	55	60	65	70	75	80	85	90
100	55.3	55.3	55.3	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
200	63.1	63.9	63.6	63.6	63.9	63.9	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
300	63.4	63.9	63.5	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4
400	63.3	64.2	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
500	64.3	64.8	64.8	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3
600	66.2	66.7	66.7	66.9	67.2	67.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
700	71.1	71.8	71.4	71.8	71.7	71.9	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
800	72.7	71.2	71.2	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
900	73.4	73.3	73.1	73.3	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
1000	75.2	73.9	74.7	74.2	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
1100	73.9	74.6	74.7	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3
1200	74.2	74.9	75.1	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
1300	75.2	76.1	76.1	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
1400	76.1	76.9	77.1	77.2	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
1500	78.8	77.9	78.7	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7
1600	75.1	79.9	81.7	80.2	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8
1700	79.4	81.6	81.9	82.0	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9
1800	81.3	83.6	83.9	84.1	85.7	85.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3
1900	81.9	84.1	84.5	84.8	85.7	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2
2000	82.2	85.3	85.3	86.0	87.0	87.0	87.4	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.2
2100	85.0	86.6	86.2	87.6	87.6	88.6	91.1	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.1
2200	85.7	89.6	90.3	90.7	91.7	91.7	92.2	92.9	92.9	93.2	93.2	93.3	93.4	93.4	93.4	93.4
2300	86.1	90.7	91.3	91.7	92.7	92.8	93.3	94.1	94.1	94.4	94.4	94.6	94.7	94.7	94.7	94.8
2400	86.2	91.1	91.9	92.2	93.2	93.3	93.9	94.7	94.7	95.0	95.1	95.2	95.3	95.3	95.3	95.4
2500	86.2	91.1	91.9	92.2	93.2	93.4	94.1	95.0	95.0	95.4	95.4	95.6	95.7	95.8	95.8	95.9
2600	86.2	91.1	91.9	92.2	93.3	93.6	94.1	95.2	95.2	96.1	96.3	96.4	96.7	96.7	96.7	96.8
2700	86.2	91.1	92.0	92.4	93.6	93.6	94.3	95.4	95.4	96.3	96.3	96.9	97.1	97.3	97.3	97.4
2800	86.2	91.1	92.1	92.6	93.7	93.9	94.6	95.7	95.7	96.8	97.3	97.4	97.8	97.8	97.8	97.9
2900	86.2	91.1	92.2	92.8	94.1	94.3	95.0	96.2	96.2	97.4	98.1	98.2	98.6	98.6	98.6	98.7
3000	86.2	91.1	92.2	92.8	94.1	94.4	95.1	96.4	96.4	97.7	98.2	98.4	98.8	98.8	98.8	98.9
3100	86.2	91.1	92.2	92.8	94.1	94.4	95.1	96.4	96.4	97.7	98.4	98.6	99.1	99.1	99.1	99.2
3200	86.2	91.1	92.2	92.8	94.1	94.4	95.1	96.4	96.4	97.7	98.4	98.6	99.3	99.3	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 722

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-57

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

112-2100

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	57.1	58.4	58.5	58.6	58.9	58.9	59.7	59.7	59.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1
9000	62.9	64.4	64.5	64.9	65.7	65.7	65.1	65.2	65.2	65.3	65.7	65.3	65.3	65.3	65.3	65.3
8000	53.2	64.8	64.9	65.2	65.3	65.3	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
7000	53.7	65.2	65.3	65.7	65.8	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
6000	54.1	65.7	65.9	66.1	66.2	66.2	66.3	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6
5000	56.4	68.0	68.1	68.4	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
4000	68.7	69.6	69.7	70.0	70.1	70.1	70.2	70.3	70.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4
3000	69.3	69.9	70.7	70.3	70.4	70.4	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
2000	69.6	71.3	71.4	71.6	71.9	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
1000	70.5	72.3	72.4	72.8	72.9	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
500	71.1	72.8	73.0	73.3	73.4	73.4	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
0	72.2	74.0	74.2	74.6	74.7	74.7	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10000	73.2	75.0	75.2	75.6	75.7	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
9000	74.2	76.2	76.4	76.6	76.9	76.9	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
8000	76.2	78.6	78.9	79.2	79.3	79.3	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
7000	77.8	80.6	81.1	81.4	81.6	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
6000	79.6	82.4	83.2	83.6	84.2	84.2	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
5000	81.0	83.1	84.1	84.6	85.0	85.0	85.6	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
4000	80.3	83.6	84.6	85.2	85.7	85.7	86.3	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
3000	81.1	84.9	86.1	86.6	87.4	87.4	88.1	88.2	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2000	82.3	86.8	88.1	88.8	89.6	89.7	90.3	90.4	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1
1000	84.7	88.3	89.7	90.3	91.1	91.2	91.9	92.0	92.1	92.6	92.7	92.7	92.7	92.7	92.8	92.8
500	84.4	89.1	90.4	91.2	92.1	92.2	92.9	93.1	93.2	93.7	93.8	93.8	93.8	93.8	93.9	93.9
0	85.2	89.8	91.1	91.9	93.0	93.1	93.8	94.0	94.1	94.6	94.8	94.8	94.8	94.9	95.0	95.0
10000	85.3	90.3	91.7	92.4	93.6	93.8	94.4	94.7	94.9	95.3	95.6	95.6	95.6	95.7	95.8	95.8
9000	85.6	90.5	92.1	92.9	94.0	94.2	94.9	95.1	95.3	95.8	96.1	96.1	96.2	96.3	96.4	96.6
8000	85.6	90.9	92.2	93.0	94.1	94.3	95.0	95.3	95.6	96.0	96.3	96.3	96.4	96.6	96.7	96.8
7000	85.8	91.1	92.7	93.4	94.9	95.1	95.8	96.1	96.3	97.2	97.6	97.8	97.9	98.0	98.3	98.4
6000	85.8	91.2	92.5	93.7	95.1	95.3	96.1	96.4	96.7	97.8	98.3	98.6	98.7	98.8	98.9	99.2
5000	85.8	91.2	92.5	93.7	95.1	95.3	96.1	96.4	96.7	97.9	98.4	98.7	98.8	98.9	99.2	99.3
4000	85.8	91.2	92.5	93.7	95.1	95.3	96.1	96.4	96.7	98.0	98.6	98.8	99.0	99.1	99.4	99.6
3000	85.8	91.2	92.5	93.7	95.1	95.3	96.1	96.4	96.7	98.0	98.6	98.8	99.1	99.2	99.6	99.6
2000	85.8	91.2	92.5	93.7	95.1	95.3	96.1	96.4	96.7	98.0	98.6	98.8	99.1	99.2	99.6	99.6
1000	85.8	91.2	92.5	93.7	95.1	95.3	96.1	96.4	96.7	98.0	98.6	98.8	99.1	99.2	99.6	99.6
0	85.8	91.2	92.5	93.7	95.1	95.3	96.1	96.4	96.7	98.0	98.6	98.8	99.1	99.2	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 500

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

727575 MINOT AFB ND

73-82

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

ELEVATION FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO RECORD	54.2	55.2	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
12000	59.5	60.6	60.9	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
10000	59.3	60.8	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
8000	59.2	61.1	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
6000	60.6	61.7	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
4000	62.4	63.5	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2000	65.4	66.6	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
1000	67.4	68.8	69.2	69.4	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
800	69.3	69.8	70.2	70.4	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
600	69.7	70.2	70.7	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
400	69.3	71.2	71.5	71.7	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
200	71.3	72.0	72.6	72.8	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
100	71.1	71.5	73.6	73.9	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
NO RECORD	72.3	74.5	75.1	75.4	75.8	75.9	76.1	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3
12000	73.7	76.2	76.9	77.2	77.7	77.8	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
10000	75.3	78.5	78.8	79.2	79.9	80.0	80.3	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5
8000	76.5	79.4	80.3	80.7	81.4	81.6	81.9	82.0	82.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3
6000	77.0	80.1	81.0	81.4	82.2	82.3	82.7	82.8	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1
4000	78.3	81.8	82.8	83.3	84.1	84.2	84.7	84.9	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2
2000	80.5	84.5	85.7	86.3	87.1	87.3	88.0	88.2	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6
1000	81.6	86.1	87.4	88.0	88.8	89.1	89.8	90.0	90.1	90.3	90.5	90.5	90.5	90.5	90.5	90.5
800	82.4	87.2	88.6	89.2	90.0	90.3	91.1	91.4	91.4	91.5	91.9	91.9	91.9	91.9	91.9	91.9
600	82.8	87.9	89.3	89.9	90.8	91.1	91.9	92.2	92.2	92.5	92.8	92.9	92.9	92.9	92.9	92.9
400	83.5	88.7	90.1	90.8	91.8	92.0	92.8	93.2	93.3	93.5	93.9	94.0	94.0	94.1	94.1	94.1
200	83.9	89.3	90.8	91.6	92.6	92.8	93.7	94.1	94.2	94.5	95.0	95.0	95.0	95.2	95.2	95.2
NO RECORD	84.2	89.8	91.4	92.2	93.3	93.6	94.5	95.0	95.1	95.5	96.0	96.1	96.2	96.3	96.4	96.5
12000	84.3	90.1	91.8	92.7	94.0	94.3	95.2	95.8	95.9	96.5	97.1	97.2	97.3	97.5	97.5	97.6
10000	84.3	90.1	92.0	93.0	94.4	94.8	95.7	96.3	96.5	97.2	97.5	97.9	98.2	98.3	98.4	98.5
8000	84.4	90.2	92.0	93.0	94.5	94.9	95.9	96.5	96.7	97.5	98.3	98.4	98.7	98.8	98.9	99.0
6000	84.4	90.2	92.0	93.0	94.5	94.9	95.9	96.6	96.7	97.5	98.5	98.6	99.0	99.2	99.4	99.7
4000	84.4	90.2	92.0	93.0	94.5	94.9	95.9	96.6	96.7	97.5	98.5	98.6	99.0	99.2	99.4	99.7

TOTAL NUMBER OF OBSERVATIONS 7,222

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-82 246

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

111-0422

ELEVATION FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	22	21	21	21	20	20	20	20	20	20
20000	44.1	45.5	46.3	46.7	47.4	47.4	47.7	48.1	48.1	48.1	48.2	48.3	48.4	48.4	48.5	48.9
18000	45.1	46.4	47.9	51.2	51.9	51.9	52.3	52.6	52.6	52.6	52.7	52.8	52.9	52.9	53.0	53.4
16000	45.5	50.9	51.3	51.6	52.4	52.4	52.7	53.0	53.0	53.0	53.1	53.2	53.3	53.3	53.4	53.9
14000	48.5	50.9	51.7	51.6	52.4	52.4	52.7	53.0	53.0	53.0	53.1	53.2	53.3	53.3	53.4	53.9
12000	49.1	51.5	51.9	52.3	53.0	53.0	53.3	53.7	53.7	53.7	53.8	53.9	54.0	54.0	54.1	54.5
10000	50.5	52.9	53.3	53.7	54.4	54.4	54.7	55.1	55.1	55.1	55.2	55.3	55.4	55.4	55.5	55.9
8000	53.3	55.4	55.8	56.1	56.9	56.9	57.2	57.5	57.5	57.5	57.7	57.8	58.0	58.0	58.1	58.5
6000	53.9	56.3	56.9	57.2	58.0	58.0	58.3	58.6	58.6	58.7	58.8	58.9	59.0	59.0	59.1	59.6
4000	57.4	60.2	60.9	61.2	61.9	61.9	62.3	62.6	62.6	62.7	62.8	62.9	63.0	63.0	63.1	63.5
2000	58.5	61.4	62.0	62.4	63.2	63.3	63.7	64.1	64.1	64.4	64.5	64.6	64.7	64.7	64.8	65.3
1000	59.5	62.5	63.1	63.4	64.3	64.4	64.7	65.2	65.2	65.5	65.6	65.7	65.8	65.8	65.9	66.3
500	61.6	64.9	65.6	65.9	66.8	66.9	67.2	67.6	67.6	68.0	68.1	68.2	68.3	68.3	68.4	68.9
250	61.9	65.3	65.7	66.2	67.1	67.2	67.5	68.0	68.0	68.3	68.4	68.5	68.6	68.6	68.7	69.1
100	64.4	68.0	68.9	69.5	70.4	70.5	70.9	71.3	71.7	71.6	71.7	71.8	71.9	71.9	72.0	72.5
50	65.7	69.5	70.5	71.1	72.0	72.2	72.5	72.9	72.9	73.3	73.4	73.5	73.7	73.7	73.8	74.2
25	66.7	70.9	72.0	72.6	73.5	73.7	74.0	74.4	74.4	74.8	74.9	75.1	75.2	75.2	75.3	75.7
10	68.2	72.8	74.1	74.7	75.8	76.2	76.9	77.5	77.5	78.0	78.1	78.2	78.3	78.3	78.4	78.8
5	69.1	74.0	75.5	76.1	77.4	78.0	78.6	79.4	79.4	79.6	79.9	80.0	80.1	80.1	80.2	80.6
2	69.7	75.1	76.7	77.3	78.6	79.1	79.9	80.6	80.6	81.1	81.2	81.3	81.4	81.4	81.5	81.9
1	71.0	76.9	78.6	79.2	80.8	81.3	82.4	83.2	83.2	83.9	84.0	84.1	84.2	84.2	84.3	84.7
0.5	71.5	77.6	79.6	80.2	81.8	82.4	83.4	84.4	84.4	85.2	85.3	85.4	85.6	85.6	85.7	86.1
0.25	72.2	78.3	80.7	81.0	82.6	83.4	84.5	85.6	85.6	86.3	86.5	86.7	87.1	87.2	87.3	87.7
0.1	72.4	78.6	80.6	81.6	83.4	84.3	85.4	86.6	86.6	87.4	87.7	87.8	88.3	88.4	88.5	88.9
0.05	72.8	79.2	81.3	82.3	84.1	84.9	86.0	87.3	87.3	88.4	88.9	89.0	89.5	89.6	89.7	90.1
0.025	73.1	79.7	81.7	82.7	84.5	85.4	86.5	87.7	87.7	88.8	89.4	89.5	89.9	90.0	90.2	90.6
0.01	73.5	80.2	82.4	83.5	85.4	86.2	87.4	88.8	88.8	90.2	91.0	91.1	91.5	91.6	91.9	92.3
0.005	73.9	81.0	83.1	84.4	86.9	87.7	88.9	90.6	90.6	92.4	93.3	93.4	93.9	94.0	94.2	94.6
0.0025	74.2	81.6	84.1	85.4	87.8	88.8	90.1	92.0	92.0	93.8	94.7	94.8	95.3	95.4	95.7	96.1
0.001	74.2	82.0	84.5	85.8	88.5	89.5	90.9	93.1	93.2	95.2	96.2	96.3	96.9	97.0	97.3	97.7
0.0005	74.4	82.3	84.7	86.0	88.8	89.8	91.4	93.8	93.9	96.0	97.3	97.4	98.1	98.4	98.9	99.6
0.00025	74.4	82.3	84.7	86.0	88.8	89.8	91.4	93.8	93.9	96.0	97.4	97.5	98.2	98.5	99.0	99.9
0.0001	74.4	82.3	84.7	86.0	88.8	89.8	91.4	93.8	93.9	96.0	97.4	97.5	98.2	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-02

YEAR

216
OBS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

303-050

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING ≥ 20000	45.9	47.1	47.4	47.6	48.9	48.9	49.1	49.1	49.1	49.2	49.5	49.5	49.5	49.6	49.8	50.7
≥ 18000	45.6	50.1	50.4	50.9	52.2	52.2	52.4	52.4	52.4	52.5	52.7	52.7	52.7	52.8	53.2	53.2
≥ 16000	49.0	50.5	50.9	51.3	52.6	52.6	52.8	52.8	52.8	52.9	53.1	53.1	53.1	53.2	53.4	53.7
≥ 14000	49.1	50.6	51.2	51.4	52.7	52.7	52.9	52.9	52.9	53.0	53.2	53.2	53.2	53.3	53.5	53.8
≥ 12000	49.1	50.6	51.2	51.4	52.7	52.7	52.9	52.9	52.9	53.0	53.2	53.2	53.2	53.3	53.5	53.8
≥ 10000	50.5	52.2	52.4	52.6	54.1	54.1	54.3	54.3	54.3	54.4	54.6	54.6	54.6	54.7	54.9	55.2
≥ 8000	52.6	54.1	54.4	54.8	56.1	56.1	56.3	56.3	56.3	56.5	56.7	56.7	56.7	56.8	57.0	57.2
≥ 6000	53.7	54.6	55.2	55.6	56.9	56.9	57.1	57.1	57.1	57.2	57.4	57.4	57.4	57.5	57.7	58.1
≥ 4000	55.4	57.3	57.6	58.1	59.4	59.4	59.6	59.6	59.6	59.7	59.9	59.9	59.9	60.0	60.2	60.4
≥ 2000	56.6	58.5	58.8	59.2	60.5	60.5	60.9	60.9	60.9	61.2	61.4	61.4	61.4	61.5	61.7	61.9
≥ 1000	57.4	59.4	59.7	60.2	61.6	61.6	61.9	61.9	61.9	62.3	62.5	62.5	62.5	62.6	62.8	63.0
≥ 500	58.9	61.2	61.5	62.3	63.7	63.7	64.0	64.0	64.0	64.3	64.5	64.5	64.5	64.6	64.8	65.1
≥ 200	60.3	62.4	62.7	63.5	64.9	64.9	65.3	65.3	65.3	65.6	65.8	65.8	65.8	65.9	66.1	66.3
≥ 100	61.5	64.1	64.5	65.4	66.9	66.9	67.4	67.4	67.4	67.7	68.2	68.2	68.2	68.3	68.5	68.7
≥ 50	62.4	65.2	65.7	66.6	68.1	68.1	68.6	68.6	68.6	69.0	69.5	69.5	69.5	69.6	69.8	70.0
≥ 20	63.3	66.5	67.0	67.6	69.4	69.4	69.9	69.9	69.9	70.4	70.9	70.9	70.9	71.0	71.2	71.4
≥ 10	64.7	68.4	68.9	69.9	71.6	71.7	72.9	73.0	73.0	73.5	74.0	74.0	74.0	74.1	74.3	74.5
≥ 5	65.9	70.5	71.3	72.3	74.2	74.3	75.4	75.6	75.6	76.1	76.6	76.6	76.6	76.7	76.9	77.1
≥ 2	66.5	71.1	71.8	72.8	74.9	75.1	76.1	76.5	76.5	77.0	77.4	77.4	77.4	77.5	77.7	78.0
≥ 1	67.4	72.5	73.2	74.3	76.6	76.7	78.0	78.4	78.4	79.1	79.7	79.7	79.7	79.8	80.0	80.2
≥ 0.5	69.5	74.9	75.8	77.0	79.2	79.4	80.9	81.5	81.5	82.3	82.9	82.9	82.9	83.0	83.2	83.4
≥ 0.2	70.8	76.5	77.3	78.5	81.0	81.2	82.7	83.4	83.4	84.5	85.2	85.2	85.2	85.6	85.9	86.1
≥ 0.1	71.4	77.3	78.3	79.6	82.3	82.6	84.1	84.9	84.9	86.0	87.1	87.1	87.1	87.6	87.7	88.0
≥ 0.05	71.7	77.7	78.7	80.4	83.2	83.5	85.1	86.0	86.0	87.2	88.5	88.5	88.5	89.2	89.4	89.6
≥ 0.02	72.2	78.2	79.2	81.0	83.8	84.1	85.7	87.0	87.0	88.3	89.7	89.8	89.8	90.3	90.6	90.9
≥ 0.01	72.2	78.3	79.4	81.2	84.0	84.3	86.2	87.6	87.6	89.5	91.0	91.0	91.0	91.6	91.7	92.0
≥ 0.005	72.7	79.4	80.5	82.4	85.6	85.9	88.0	89.7	89.7	91.5	93.2	93.3	93.3	93.9	94.0	94.4
≥ 0.002	73.5	80.6	81.8	83.7	86.9	87.2	89.2	91.2	91.2	93.0	94.7	94.8	94.8	95.4	95.5	95.9
≥ 0.001	74.0	81.2	82.4	84.2	87.5	87.8	89.9	91.8	91.8	93.3	95.7	95.8	95.8	96.5	96.6	97.3
≥ 0.0005	74.1	81.3	82.5	84.3	87.6	88.0	90.1	92.0	92.0	94.0	96.2	96.3	96.3	97.0	97.1	98.8
≥ 0.0002	74.1	81.3	82.5	84.3	87.6	88.0	90.1	92.0	92.0	94.0	96.5	96.8	97.5	97.6	99.1	99.7
≥ 0.0001	74.1	81.3	82.5	84.3	87.6	88.0	90.1	92.0	92.0	94.0	96.5	96.8	97.5	97.6	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 93.1

GLOBAL CLIMATOLOGY BRANCH
USAFETC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEAR

266
PERCENT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

500-9999

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	44.1	45.8	46.5	46.7	47.6	47.6	47.8	48.0	48.0	48.4	48.6	48.6	49.0	49.4	49.4	49.8
≥2000	45.6	48.5	49.2	49.5	50.4	50.4	50.6	50.8	50.9	51.2	51.4	51.4	51.8	52.2	52.2	52.6
2 8000	46.9	48.8	49.6	49.8	50.8	50.8	51.1	51.2	51.2	51.6	51.8	51.8	52.3	52.6	52.6	53.0
2 6000	47.2	49.1	49.9	50.1	51.1	51.1	51.4	51.5	51.5	51.9	52.2	52.2	52.6	52.9	52.9	53.3
2 4000	47.7	49.7	50.4	50.6	51.6	51.6	51.9	52.0	52.0	52.5	52.7	52.7	53.1	53.4	53.4	53.9
2 2000	48.7	50.6	51.4	51.6	52.6	52.6	52.9	53.0	53.0	53.4	53.7	53.7	54.1	54.4	54.4	54.8
2 1000	51.6	53.9	54.6	54.8	55.9	55.9	56.2	56.3	56.3	56.8	57.0	57.0	57.4	57.7	57.7	58.2
2 900	52.0	54.6	55.4	55.6	56.7	56.7	57.0	57.1	57.1	57.5	57.7	57.7	58.2	58.5	58.5	58.9
2 700	53.4	56.2	57.0	57.2	58.4	58.4	58.7	58.9	58.9	59.4	59.7	59.7	60.1	60.4	60.4	60.9
2 500	54.4	57.2	58.0	58.2	59.4	59.5	59.8	60.0	60.0	60.4	60.9	60.9	61.2	61.5	61.5	61.9
2 400	55.2	58.3	59.2	59.6	60.8	60.9	61.2	61.4	61.4	61.9	62.3	62.3	62.7	63.0	63.0	63.4
2 300	56.6	59.0	60.1	60.4	61.6	61.7	62.0	62.2	62.2	62.7	63.1	63.1	63.5	63.8	63.8	64.2
2 200	57.3	60.1	61.2	61.6	62.8	62.9	63.2	63.4	63.4	63.9	64.3	64.3	64.7	65.0	65.0	65.4
2 100	58.1	61.8	62.9	63.3	64.5	64.6	64.9	65.1	65.1	65.6	66.0	66.0	66.4	66.7	66.7	67.1
2 900	59.4	63.3	64.4	64.8	66.0	66.1	66.4	66.6	66.6	67.1	67.5	67.5	67.9	68.2	68.2	68.6
2 800	60.3	64.5	65.6	66.0	67.2	67.3	67.6	67.8	67.8	68.3	68.7	68.7	69.1	69.4	69.4	69.8
2 700	61.5	65.2	66.3	66.7	67.9	68.0	68.3	68.5	68.5	69.0	69.4	69.4	69.8	70.1	70.1	70.5
2 600	62.0	66.1	67.2	67.6	68.8	68.9	69.2	69.4	69.4	69.9	70.3	70.3	70.7	71.0	71.0	71.4
2 500	62.3	67.1	68.2	68.6	69.8	69.9	70.2	70.4	70.4	70.9	71.3	71.3	71.7	72.0	72.0	72.4
2 400	63.7	69.4	70.5	70.9	72.1	72.2	72.5	72.7	72.7	73.2	73.6	73.6	74.0	74.3	74.3	74.7
2 300	65.0	71.9	73.0	73.4	74.6	74.7	75.0	75.2	75.2	75.7	76.1	76.1	76.5	76.8	76.8	77.2
2 200	65.5	71.9	73.0	73.4	74.6	74.7	75.0	75.2	75.2	75.7	76.1	76.1	76.5	76.8	76.8	77.2
2 100	67.4	74.4	75.5	75.9	77.1	77.2	77.5	77.7	77.7	78.2	78.6	78.6	79.0	79.3	79.3	79.7
2 900	68.1	75.1	76.2	76.6	77.8	77.9	78.2	78.4	78.4	78.9	79.3	79.3	79.7	80.0	80.0	80.4
2 800	68.4	75.5	76.6	77.0	78.2	78.3	78.6	78.8	78.8	79.3	79.7	79.7	80.1	80.4	80.4	80.8
2 700	68.7	75.8	76.9	77.3	78.5	78.6	78.9	79.1	79.1	79.6	80.0	80.0	80.4	80.7	80.7	81.1
2 600	68.6	76.1	77.2	77.6	78.8	78.9	79.2	79.4	79.4	79.9	80.3	80.3	80.7	81.0	81.0	81.4
2 500	69.4	77.2	78.3	78.7	79.9	80.0	80.3	80.5	80.5	81.0	81.4	81.4	81.8	82.1	82.1	82.5
2 400	69.9	77.7	78.8	79.2	80.4	80.5	80.8	81.0	81.0	81.5	81.9	81.9	82.3	82.6	82.6	83.0
2 300	70.0	78.3	79.4	79.8	81.0	81.1	81.4	81.6	81.6	82.1	82.5	82.5	82.9	83.2	83.2	83.6
2 200	70.0	78.3	79.4	79.8	81.0	81.1	81.4	81.6	81.6	82.1	82.5	82.5	82.9	83.2	83.2	83.6
2 100	70.0	78.3	79.4	79.8	81.0	81.1	81.4	81.6	81.6	82.1	82.5	82.5	82.9	83.2	83.2	83.6
2	70.0	78.3	79.4	79.8	81.0	81.1	81.4	81.6	81.6	82.1	82.5	82.5	82.9	83.2	83.2	83.6

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

STATION NAME

73-32

YEAR

246

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

333-1120

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	41.1	43.9	45.4	45.6	46.7	46.1	46.5	46.6	46.6	46.7	46.8	46.9	47.1	47.2	47.5	47.7
≥18000	44.2	47.3	48.9	49.1	49.6	49.7	50.1	50.2	50.2	50.3	50.4	50.5	50.8	51.0	51.2	51.4
≥16000	45.1	48.2	49.5	50.0	50.4	50.5	51.0	51.1	51.1	51.2	51.3	51.4	51.6	51.8	52.0	52.3
≥14000	46.4	49.5	50.1	50.3	50.8	50.9	51.3	51.4	51.4	51.5	51.6	51.7	51.9	52.2	52.4	52.6
≥12000	46.2	49.4	51.0	51.2	51.6	51.7	52.2	52.3	52.3	52.4	52.5	52.6	52.8	53.0	53.2	53.4
≥10000	47.2	50.4	52.0	52.3	52.7	52.8	53.2	53.3	53.3	53.4	53.5	53.7	53.9	54.1	54.3	54.5
≥8000	51.4	55.4	57.0	57.2	57.6	57.7	58.2	58.3	58.3	58.4	58.5	58.6	58.8	59.0	59.2	59.5
≥6000	52.4	56.7	58.3	58.5	58.9	59.0	59.5	59.6	59.6	59.7	59.8	59.9	60.1	60.3	60.5	60.8
≥4000	54.3	58.3	59.9	60.3	60.9	61.0	61.4	61.6	61.7	61.8	61.9	62.2	62.5	62.7	62.9	63.1
≥2000	55.3	60.0	61.7	62.2	62.7	62.8	63.3	63.5	63.7	63.8	63.9	64.1	64.4	64.6	64.8	65.1
≥1000	55.3	60.8	62.5	63.0	63.7	63.8	64.3	64.5	64.6	64.7	64.8	65.1	65.4	65.6	65.8	66.1
≥500	57.3	62.7	64.5	64.9	65.6	65.7	66.2	66.5	66.6	66.7	66.8	67.1	67.4	67.6	67.8	68.1
≥250	58.5	63.9	66.1	66.6	67.3	67.4	68.0	68.2	68.3	68.4	68.5	68.8	69.1	69.4	69.6	69.8
≥125	59.2	64.3	66.6	67.0	67.7	67.8	68.4	68.7	68.8	68.9	69.1	69.4	69.7	69.9	70.1	70.3
≥62.5	59.8	65.4	67.7	68.2	69.0	69.2	69.9	70.2	70.3	70.4	70.6	70.9	71.2	71.4	71.6	71.8
≥31.25	60.2	67.1	69.6	70.0	70.9	71.1	71.8	72.2	72.4	72.5	72.7	72.9	73.2	73.4	73.7	73.9
≥15.625	61.5	68.2	70.6	71.2	72.0	72.3	73.1	73.4	73.7	73.8	74.0	74.2	74.5	74.7	74.9	75.2
≥7.8125	62.4	69.1	71.7	72.4	73.4	73.7	74.7	75.1	75.3	75.4	75.6	75.8	76.1	76.3	76.5	76.8
≥3.90625	62.8	69.7	72.3	72.9	74.0	74.2	75.3	75.6	75.8	75.9	76.1	76.3	76.7	76.9	77.1	77.3
≥1.953125	64.5	71.7	74.4	75.3	76.5	76.8	78.1	78.5	78.7	78.8	79.0	79.2	79.6	79.8	80.0	80.2
≥0.9765625	66.0	74.1	77.0	78.1	79.6	79.9	81.3	82.0	82.6	82.8	83.4	83.7	84.1	84.3	84.7	84.9
≥0.48828125	66.3	74.6	77.6	78.9	80.4	80.8	82.3	83.1	83.8	84.5	85.3	85.5	86.2	86.5	86.9	87.1
≥0.244140625	66.3	75.2	78.2	79.5	81.1	81.5	83.0	84.0	84.6	85.7	86.6	86.8	87.5	87.7	88.3	88.5
≥0.1220703125	67.1	75.6	78.6	79.9	81.5	82.0	83.5	84.5	85.2	86.5	87.3	87.7	88.5	88.7	89.5	89.7
≥0.06103515625	67.3	76.1	79.2	80.9	82.5	83.0	84.7	85.7	86.3	87.8	88.7	89.1	90.1	90.4	91.4	91.6
≥0.030517578125	67.5	76.7	79.9	81.7	83.3	83.9	85.7	86.8	87.5	89.0	90.1	90.5	91.6	92.2	93.1	93.3
≥0.0152587890625	67.6	77.2	80.6	82.6	84.3	84.8	86.8	87.8	88.5	90.2	91.3	91.8	93.0	93.5	94.5	94.7
≥0.00762939453125	67.7	77.5	81.2	83.3	85.3	85.9	88.2	89.2	90.0	91.6	92.8	93.3	94.6	95.2	96.1	96.3
≥0.003814697265625	67.7	77.6	81.5	83.7	85.6	86.2	88.5	89.7	90.5	92.2	93.4	94.0	95.5	96.1	97.2	97.4
≥0.0019073486328125	67.7	77.6	81.5	83.8	85.7	86.3	88.6	89.8	90.6	92.5	94.1	94.7	96.3	97.2	98.9	99.1
≥0.00095367431640625	67.7	77.6	81.5	83.8	85.7	86.3	88.6	89.8	90.6	92.5	94.1	94.7	96.5	97.3	99.0	99.9
≥0.000476837158203125	67.7	77.6	81.5	83.8	85.7	86.3	88.6	89.8	90.6	92.5	94.1	94.7	96.5	97.3	99.0	99.9

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

2-5

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-14-82

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	20	25	24	23	22	22	21	21	21	20	20	20	25	24	20
NO CEILING	43.2	47.1	47.7	48.2	48.9	48.9	49.1	49.4	49.7	49.9	49.9	49.9	49.9	50.1	50.4	50.5
27000	46.1	50.1	51.1	51.6	52.5	52.6	52.7	52.9	53.1	53.4	53.7	53.7	53.7	53.9	54.2	54.3
24000	46.9	50.9	51.8	52.4	53.2	53.3	53.4	53.7	53.9	54.2	54.4	54.4	54.4	54.6	54.9	55.1
21000	47.3	51.3	52.3	52.8	53.7	53.6	53.9	54.1	54.3	54.6	54.8	54.8	54.8	55.1	55.4	55.5
18000	47.3	51.4	52.4	52.9	53.8	53.9	54.2	54.2	54.4	54.7	54.9	54.9	54.9	55.2	55.5	55.6
15000	48.8	53.1	54.1	54.6	55.5	55.6	55.7	55.9	56.1	56.5	56.7	56.7	56.7	56.9	57.2	57.3
12000	53.7	58.3	59.7	59.9	61.1	61.2	61.3	61.5	61.7	62.0	62.3	62.3	62.3	62.5	62.8	62.9
9000	54.7	61.0	61.7	61.6	62.8	62.9	63.2	63.2	63.4	63.8	64.2	64.2	64.2	64.2	64.5	64.6
6000	57.0	62.2	63.2	64.2	65.4	65.5	65.7	65.9	66.1	66.5	66.7	66.7	66.7	66.9	67.2	67.3
3000	58.7	64.2	65.3	66.2	67.4	67.5	68.0	68.2	68.4	68.7	68.9	68.9	68.9	69.1	69.5	69.6
1000	59.7	64.6	65.7	66.7	67.8	68.0	68.4	68.6	68.8	69.1	69.4	69.4	69.4	69.6	69.9	70.1
500	59.9	65.9	67.1	68.1	69.2	69.5	70.0	70.2	70.5	70.9	71.1	71.1	71.1	71.3	71.6	71.7
400	59.4	66.6	67.7	68.8	70.1	70.3	70.9	71.2	71.5	71.8	72.0	72.0	72.0	72.3	72.5	72.7
300	51.2	67.5	68.7	69.9	71.5	71.7	72.4	72.7	73.0	73.3	73.5	73.5	73.5	73.8	74.1	74.2
200	51.7	68.3	69.5	70.8	72.5	72.7	73.3	73.7	74.0	74.3	74.5	74.5	74.5	74.7	75.1	75.2
100	52.6	69.6	71.2	72.3	74.0	74.2	74.9	75.6	76.0	76.5	76.7	76.7	76.7	76.9	77.2	77.3
50	53.1	70.4	71.8	73.3	75.3	75.5	76.2	77.1	77.5	78.0	78.3	78.3	78.3	78.5	78.8	78.9
25	53.7	71.1	72.6	74.3	76.2	76.5	77.2	78.1	78.5	78.9	79.2	79.2	79.2	79.5	79.8	79.9
10	53.9	71.7	73.2	74.9	76.9	77.2	78.1	78.9	79.4	79.9	80.2	80.2	80.2	80.4	80.8	80.9
5	54.7	73.1	74.6	76.6	78.8	79.1	80.2	81.2	81.6	82.2	82.5	82.5	82.5	82.7	83.2	83.1
2	55.6	74.6	76.7	78.8	81.1	81.9	83.1	84.4	84.8	85.9	86.3	86.3	86.3	86.6	86.9	87.0
1	56.1	75.4	77.4	79.6	81.8	82.8	84.2	85.6	86.0	87.3	87.8	87.8	87.8	88.1	88.4	88.5
0.5	56.8	76.5	78.8	81.0	83.3	84.3	85.8	87.5	88.2	89.5	90.0	90.0	90.0	90.4	90.8	90.9
0.25	56.9	76.8	79.1	81.4	83.8	84.7	86.2	88.0	88.5	89.9	90.8	90.9	91.0	91.5	91.9	92.0
0.1	57.2	77.2	79.6	81.9	84.3	85.3	86.9	88.6	89.2	90.5	91.4	91.5	91.6	92.2	92.6	92.8
0.05	57.6	78.4	81.0	83.5	85.9	86.9	88.6	90.3	91.0	92.3	93.2	93.3	93.4	94.0	94.4	94.7
0.025	57.8	79.1	81.9	84.5	86.9	87.8	89.7	91.5	92.2	93.4	94.4	94.5	94.6	95.2	95.6	95.9
0.01	57.8	79.2	82.0	84.7	87.2	88.4	90.4	92.3	93.0	94.5	95.7	95.8	96.2	96.8	97.2	97.5
0.005	57.8	79.5	82.3	85.1	87.6	88.8	90.9	92.8	93.5	95.3	96.5	96.6	97.0	97.5	98.0	98.3
0.0025	57.8	79.5	82.3	85.1	87.6	88.8	90.9	92.8	93.5	95.4	96.7	96.8	97.2	97.8	98.6	98.9
0.001	57.8	79.5	82.3	85.1	87.6	88.8	90.9	92.8	93.5	95.4	96.7	96.8	97.2	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

230

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-82 766

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-17-173

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	28	24	23	22	20	21	24	21	24	24	2	25	26	26
NO CEILING	43.3	45.4	45.7	45.8	46.7	46.7	46.7	46.9	46.9	47.5	48.1	48.1	48.2	48.3	48.3	48.6
20000	47.4	49.7	50.1	50.3	51.3	51.4	51.5	51.7	51.7	52.5	52.9	52.9	53.0	53.3	53.3	53.7
18000	48.3	50.5	51.7	51.2	52.2	52.3	52.4	52.6	52.6	53.3	53.8	53.8	53.9	54.2	54.2	54.5
16000	48.4	50.6	51.1	51.3	52.3	52.4	52.5	52.7	52.7	53.4	53.9	53.9	54.1	54.3	54.3	54.6
14000	48.9	51.2	51.6	51.6	52.9	53.0	53.1	53.3	53.3	54.1	54.5	54.5	54.6	54.9	54.9	55.3
12000	50.4	52.8	53.2	53.4	54.5	54.6	54.7	54.9	54.9	55.7	56.1	56.1	56.2	56.6	56.6	56.9
10000	54.7	57.2	58.1	58.2	59.2	59.4	59.5	59.7	59.7	60.4	60.9	60.9	61.7	61.3	61.3	61.6
9000	57.2	59.7	60.5	60.6	61.9	62.1	62.2	62.4	62.4	63.1	63.5	63.5	63.7	64.2	64.2	64.3
8000	59.9	62.6	63.5	64.1	65.5	65.7	65.8	66.0	66.1	66.8	67.2	67.2	67.3	67.6	67.6	68.0
7000	61.7	64.7	65.7	66.3	67.7	68.2	68.4	68.6	68.6	69.4	69.8	69.8	69.9	70.2	70.2	70.5
6000	62.2	65.4	66.5	67.1	68.5	68.9	69.1	69.4	69.4	70.1	70.5	70.5	70.6	71.1	71.1	71.3
5000	63.2	66.3	67.5	68.4	69.9	70.4	70.6	70.9	70.9	71.8	72.3	72.3	72.4	72.7	72.7	73.0
4500	63.1	66.7	67.8	68.7	70.3	70.9	71.1	71.3	71.3	72.3	72.7	72.7	72.8	73.1	73.1	73.4
4000	64.5	68.4	69.7	70.6	72.4	72.9	73.2	73.4	73.4	74.4	74.8	74.8	74.9	75.3	75.3	75.6
3500	64.8	69.1	70.4	71.6	73.3	73.9	74.2	74.4	74.4	75.7	76.1	76.1	76.2	76.6	76.6	76.9
3000	65.4	69.9	71.3	72.5	74.3	74.8	75.3	75.5	75.6	76.9	77.3	77.3	77.4	77.7	77.7	78.1
2500	66.1	70.9	72.3	73.4	75.5	76.0	76.6	77.0	77.1	78.4	78.9	78.9	79.0	79.4	79.4	79.7
2000	66.5	71.4	72.8	74.3	76.6	77.2	77.7	78.4	78.7	80.1	80.8	80.8	80.9	81.2	81.2	81.5
1800	66.8	71.7	73.4	74.8	77.2	78.1	78.6	79.4	79.7	81.1	81.7	81.7	81.8	82.2	82.2	82.5
1600	67.7	72.7	74.5	76.1	78.6	79.5	80.0	81.2	81.6	83.0	83.7	83.7	83.8	84.1	84.1	84.4
1400	68.4	73.9	75.8	77.5	80.3	81.3	82.0	83.3	83.9	85.3	86.0	86.0	86.1	86.5	86.5	86.8
1200	69.5	75.7	77.7	79.5	82.4	83.5	84.4	85.7	86.5	88.0	89.0	89.0	89.1	89.5	89.5	90.0
1000	69.9	76.3	78.6	80.4	83.3	84.5	85.4	86.7	87.4	88.9	90.1	90.1	90.2	90.5	90.8	91.1
900	70.0	76.5	78.9	80.8	83.7	84.8	85.7	87.2	88.3	89.9	91.1	91.1	91.2	91.5	91.7	92.0
800	70.3	77.5	80.2	82.0	85.1	86.2	87.1	88.6	89.7	91.3	92.5	92.5	92.6	92.9	93.1	93.5
700	70.3	77.6	80.3	82.2	85.2	86.3	87.4	88.9	90.1	91.7	93.0	93.0	93.1	93.5	93.8	94.4
600	70.3	78.0	80.8	82.9	86.2	87.4	88.7	90.2	91.4	93.1	94.4	94.5	94.6	94.9	95.2	95.9
500	70.3	78.2	81.2	83.4	87.0	88.3	89.6	91.1	92.3	94.1	95.8	95.9	96.1	96.5	96.7	97.4
400	70.3	78.2	81.2	83.4	87.2	88.5	89.8	91.5	92.7	94.8	96.7	96.8	97.3	97.8	98.1	98.8
300	70.3	78.2	81.2	83.4	87.2	88.5	89.8	91.5	92.7	94.8	96.8	97.1	97.7	98.3	98.5	99.2
200	70.3	78.2	81.2	83.4	87.2	88.5	89.8	91.5	92.7	94.8	96.8	97.1	97.7	98.4	98.5	99.7
100	70.3	78.2	81.2	83.4	87.2	88.5	89.8	91.5	92.7	94.8	96.8	97.1	97.7	98.4	98.5	99.7

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB MD

STATION NAME

73-87

YEAR

265

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-1-1977

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING ≥20000	44.3	45.4	45.6	46.2	45.3	46.5	46.7	46.9	46.9	47.4	47.6	47.0	47.7	47.7	47.7	48.0
≥18000	45.4	49.2	51.2	52.7	51.9	51.1	51.3	51.6	51.6	52.1	52.2	52.2	52.4	52.4	52.4	52.8
≥16000	47.6	51.2	51.5	52.1	52.2	52.4	52.6	52.9	52.9	53.3	53.5	53.5	53.7	53.7	53.7	54.0
≥14000	49.7	51.3	51.6	52.1	52.3	52.5	52.8	53.2	53.2	53.4	53.6	53.6	53.8	53.8	53.8	54.2
≥12000	51.4	52.0	52.2	52.6	53.0	53.2	53.4	53.6	53.6	54.0	54.3	54.3	54.5	54.5	54.5	54.8
≥10000	52.8	54.4	54.6	55.1	55.3	55.6	55.8	56.2	56.2	56.4	56.6	56.6	56.9	56.9	56.9	57.2
≥8000	55.8	57.5	57.7	58.3	58.6	58.8	59.2	59.2	59.2	59.7	59.9	59.9	60.1	60.1	60.1	60.4
≥6000	56.9	58.9	59.1	59.8	60.1	60.4	60.6	60.8	60.8	61.3	61.5	61.5	61.7	61.7	61.7	62.0
≥4000	60.9	64.0	64.5	65.3	65.7	66.0	66.2	66.5	66.5	66.9	67.1	67.1	67.3	67.3	67.3	67.6
≥2000	61.8	65.2	65.6	66.6	67.0	67.3	67.5	67.7	67.7	68.2	68.4	68.4	68.6	68.6	68.6	68.9
NO CLD ≥5000	62.6	66.1	66.8	67.5	68.0	68.3	68.5	68.7	68.7	69.1	69.5	69.5	69.7	69.7	69.7	70.0
≥4500	63.2	68.1	68.6	69.7	70.1	70.4	70.7	70.9	70.9	71.4	71.7	71.7	72.0	72.0	72.0	72.3
≥4000	65.0	69.3	70.7	70.9	71.3	71.6	71.8	72.1	72.1	72.6	72.9	72.9	73.1	73.1	73.1	73.5
≥3500	66.8	71.1	71.6	72.7	73.2	73.6	73.8	74.0	74.0	74.6	75.0	75.0	75.2	75.2	75.2	75.5
≥3000	66.5	74.2	75.2	76.3	77.3	77.7	78.0	78.2	78.2	78.9	79.2	79.2	79.4	79.4	79.4	79.7
≥2500	69.3	75.4	76.4	77.6	78.9	79.2	79.6	79.8	79.8	80.5	80.8	80.8	81.0	81.0	81.0	81.3
≥2000	69.9	76.5	77.6	79.0	80.4	80.7	81.1	81.3	81.3	82.0	82.3	82.3	82.5	82.5	82.5	82.8
≥1800	70.1	77.0	78.2	79.7	81.2	81.6	82.0	82.2	82.2	82.8	83.2	83.2	83.4	83.4	83.4	83.7
≥1600	70.6	78.0	79.4	80.9	82.5	82.8	83.5	83.8	83.8	84.5	84.9	84.9	85.1	85.1	85.1	85.4
≥1400	71.0	78.4	80.2	81.7	83.3	83.6	84.3	84.7	84.7	85.3	85.9	85.9	86.1	86.1	86.1	86.4
≥1200	72.3	79.8	81.7	83.2	84.8	85.1	85.9	86.3	86.7	87.6	88.1	88.1	88.3	88.3	88.7	89.0
≥1000	72.4	80.4	82.2	83.7	85.5	85.9	86.6	87.1	87.5	88.7	89.2	89.2	89.5	89.5	89.9	90.2
≥800	73.3	81.1	83.0	84.5	86.3	86.6	87.5	87.9	88.5	89.8	90.4	90.4	90.7	90.7	91.2	91.5
≥600	73.4	81.7	83.5	85.0	86.8	87.2	88.0	88.7	89.3	90.7	91.4	91.4	91.8	91.8	92.2	92.7
≥400	73.6	82.3	84.1	85.7	87.5	87.8	88.8	89.4	90.1	91.6	92.2	92.2	92.7	92.7	93.1	93.5
≥200	74.0	83.4	85.4	87.1	89.0	89.4	90.5	91.4	92.0	93.5	94.4	94.4	94.8	94.8	95.3	95.7
≥100	74.1	83.9	86.2	87.8	90.0	90.4	91.6	92.6	93.2	95.0	96.0	96.0	96.4	96.4	96.9	97.3
≥50	74.1	83.9	86.2	87.8	90.0	90.4	91.7	93.0	93.6	95.9	97.1	97.2	97.8	97.8	98.4	98.8
≥25	74.1	84.0	86.3	87.9	90.1	90.5	91.8	93.2	93.9	96.5	98.1	98.2	98.8	98.8	99.4	99.8
≥10	74.1	84.0	86.3	87.9	90.1	90.5	91.8	93.2	93.9	96.5	98.1	98.2	98.9	98.9	99.5	99.9
≥5	74.1	84.0	86.3	87.9	90.1	90.5	91.8	93.2	93.9	96.5	98.1	98.2	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAD

CEILING VERSUS VISIBILITY

12/5/75

MINCT AFB MD

73-02

240

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-2133

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	42.5	43.7	44.4	44.6	45.1	45.2	45.4	45.5	45.5	45.7	45.7	45.8	45.9	46.1	46.3	46.4
1800	47.7	49.6	51.2	51.4	51.1	51.2	51.3	51.4	51.4	51.6	51.6	51.7	51.8	52.1	52.3	52.4
1600	43.4	50.0	50.5	50.9	51.5	51.6	51.7	51.8	51.8	52.1	52.1	52.2	52.3	52.5	52.7	52.8
1400	42.4	50.2	50.6	50.9	51.5	51.6	51.7	51.8	51.8	52.1	52.1	52.2	52.3	52.5	52.7	52.8
1200	49.1	50.8	51.4	51.6	52.3	52.4	52.5	52.6	52.6	52.8	52.8	52.9	53.0	53.2	53.5	53.6
1000	52.6	52.4	53.0	53.2	53.9	54.0	54.1	54.2	54.2	54.4	54.4	54.5	54.6	54.9	55.1	55.2
800	53.6	53.6	56.3	56.5	57.1	57.2	57.3	57.5	57.5	57.7	57.7	57.8	57.9	58.1	58.3	58.4
600	54.1	56.3	56.2	57.1	57.8	57.9	58.0	58.1	58.1	58.3	58.3	58.4	58.5	58.7	59.0	59.1
400	57.6	60.4	61.1	61.3	62.0	62.1	62.3	62.4	62.4	62.6	62.6	62.7	62.9	63.1	63.3	63.4
200	59.2	62.3	63.1	63.4	64.1	64.3	64.5	64.7	64.7	64.9	64.9	65.0	65.1	65.3	65.5	65.7
000	54.8	63.1	63.8	64.1	64.9	65.0	65.2	65.4	65.4	65.7	65.9	66.0	66.1	66.3	66.5	66.6
1800	62.7	64.3	65.1	65.3	66.1	66.2	66.4	66.7	66.7	67.0	67.2	67.3	67.4	67.6	67.8	67.9
1600	61.4	65.0	65.8	66.1	66.8	67.0	67.2	67.5	67.5	67.7	67.9	68.0	68.1	68.4	68.6	68.7
1400	64.8	68.5	69.4	69.6	70.5	70.6	70.8	71.2	71.2	71.4	71.6	71.7	71.8	72.0	72.2	72.4
1200	65.3	70.3	71.3	71.6	72.4	72.5	72.7	73.0	73.0	73.4	73.7	73.8	73.9	74.1	74.3	74.4
1000	67.1	72.5	73.4	73.9	74.7	74.8	75.1	75.4	75.4	75.8	76.0	76.1	76.2	76.5	76.7	76.8
800	67.8	73.5	74.5	75.4	76.5	76.6	76.8	77.1	77.1	77.5	77.8	77.9	78.0	78.2	78.4	78.5
600	68.3	74.4	75.5	76.6	78.2	78.5	78.7	79.0	79.0	79.5	79.7	79.8	79.9	80.1	80.3	80.5
400	68.7	75.2	76.7	77.6	79.0	79.4	79.6	79.9	79.9	80.3	80.6	80.7	80.8	81.0	81.2	81.3
200	69.4	76.2	77.9	78.8	80.5	80.9	81.3	81.6	81.6	82.1	82.3	82.4	82.5	82.7	82.9	83.0
000	70.2	77.2	78.9	79.9	81.6	82.1	82.7	83.3	83.3	83.9	84.2	84.3	84.4	84.7	84.9	85.0
1800	71.7	77.2	77.7	80.6	82.6	83.0	83.9	84.4	84.6	85.2	86.0	86.3	86.4	86.6	86.9	87.0
1600	72.1	79.5	81.4	82.5	84.4	84.9	85.7	86.4	86.6	87.7	88.4	89.0	89.1	89.3	89.6	89.7
1400	72.7	80.2	82.2	83.0	85.3	85.7	86.6	87.3	87.5	88.9	89.0	89.5	89.6	90.0	90.1	90.3
1200	72.9	80.5	82.4	83.5	85.5	86.0	86.8	87.6	87.8	89.4	90.5	91.0	91.1	91.4	91.7	91.8
1000	73.2	81.0	83.0	84.1	86.2	86.6	87.5	88.2	88.4	90.2	91.1	91.3	91.9	92.1	92.4	92.5
800	73.3	81.6	84.3	85.4	87.7	88.1	89.0	89.8	90.2	92.1	93.5	94.1	94.2	94.4	94.7	94.8
600	73.5	82.4	85.2	86.3	88.7	89.1	90.2	91.0	91.4	93.3	95.0	95.6	95.7	95.9	96.2	96.3
400	73.5	82.5	85.3	86.4	88.9	89.3	90.6	91.9	92.4	94.6	96.5	97.1	97.2	97.4	98.1	98.2
200	73.7	82.7	85.5	86.6	89.1	89.5	90.9	92.2	92.8	95.1	97.5	98.1	98.2	98.4	99.0	99.4
000	73.7	82.7	85.5	86.6	89.1	89.5	90.9	92.2	92.8	95.1	97.6	98.2	98.4	98.6	99.6	99.9
	73.7	82.7	85.5	86.6	89.1	89.5	90.9	92.2	92.8	95.1	97.6	98.2	98.4	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-02

YEAR

2-0

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4-1

		VISIBILITY - STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	43.6	45.5	46.1	46.4	47.1	47.2	47.4	47.5	47.8	48.1	48.1	48.2	48.4	48.5	48.6	48.6
900	FEET	47.2	49.5	50.1	50.5	51.2	51.3	51.5	51.7	51.7	52.7	52.2	52.2	52.4	52.6	52.7	53.1
800	FEET	47.8	51.1	51.6	51.1	51.9	52.3	52.2	52.4	52.4	52.7	52.9	52.9	53.1	53.2	53.4	53.7
700	FEET	48.1	51.3	51.6	51.3	52.1	52.2	52.4	52.5	52.5	52.7	53.1	53.1	53.2	53.4	53.6	53.8
600	FEET	48.5	51.8	51.5	51.6	52.6	52.7	52.9	53.1	53.1	53.4	53.6	53.6	53.8	53.9	54.1	54.4
500	FEET	50.0	52.3	53.7	53.3	54.1	54.2	54.4	54.6	54.6	54.9	55.1	55.1	55.3	55.5	55.5	55.9
400	FEET	53.3	55.9	56.6	57.0	57.8	57.9	58.1	58.3	58.3	58.6	58.9	58.9	59.0	59.2	59.3	59.6
300	FEET	54.3	57.2	57.9	58.3	59.1	59.2	59.5	59.6	59.6	59.9	60.1	60.2	60.3	60.5	60.6	60.9
200	FEET	55.9	61.1	61.7	61.5	62.4	62.5	62.7	62.9	63.0	63.3	63.5	63.5	63.7	63.9	64.1	64.3
100	FEET	58.3	61.7	62.5	63.1	64.2	64.2	64.5	64.7	64.8	65.1	65.3	65.4	65.5	65.7	65.8	66.1
50	FEET	58.9	62.5	63.4	64.0	64.9	65.1	65.4	65.6	65.7	66.1	66.3	66.4	66.5	66.7	66.8	67.1
0	FEET	60.2	64.2	65.1	65.7	66.7	66.9	67.3	67.5	67.6	68.0	68.2	68.3	68.5	68.6	68.8	69.2
1000	FEET	51.1	65.0	66.0	66.7	67.7	67.9	68.2	68.5	68.5	68.9	69.2	69.3	69.4	69.6	69.7	70.0
900	FEET	62.5	66.7	67.9	68.6	69.7	69.9	70.3	70.6	70.6	71.0	71.4	71.4	71.6	71.7	71.9	72.2
800	FEET	63.4	67.9	69.1	69.9	71.1	71.3	71.7	72.0	72.0	72.6	72.9	72.9	73.1	73.3	73.4	73.7
700	FEET	64.4	69.4	70.7	71.5	72.7	72.9	73.4	73.7	73.8	74.4	74.7	74.7	74.9	75.1	75.2	75.5
600	FEET	65.2	70.6	71.9	72.6	74.3	74.5	75.2	75.6	75.7	76.2	76.5	76.6	76.8	77.0	77.1	77.4
500	FEET	66.0	71.8	73.3	74.3	75.9	76.3	76.9	77.4	77.5	78.1	78.4	78.5	78.6	78.8	79.0	79.2
400	FEET	66.3	72.4	74.0	75.0	76.7	77.1	77.8	78.3	78.4	79.0	79.4	79.4	79.6	79.8	79.9	80.2
300	FEET	67.4	73.8	75.5	76.7	78.6	78.9	79.8	80.5	80.6	81.2	81.6	81.7	81.9	82.0	82.2	82.4
200	FEET	63.5	75.3	77.3	78.5	80.5	81.0	82.1	82.9	83.1	83.9	84.4	84.4	84.6	84.8	85.0	85.0
100	FEET	69.4	76.6	78.6	79.9	82.0	82.6	83.7	84.7	85.0	86.0	86.5	86.7	87.1	87.2	87.5	87.8
0	FEET	70.0	77.3	79.5	80.9	83.1	83.7	84.9	85.9	86.3	87.4	88.3	88.4	88.7	89.0	89.2	89.5
1000	FEET	71.3	77.8	80.1	81.5	83.8	84.4	85.6	86.7	87.1	88.4	89.4	89.5	89.9	90.1	90.5	90.8
900	FEET	71.6	78.3	80.6	82.1	84.5	85.1	86.4	87.6	88.0	89.4	90.4	90.6	91.0	91.2	91.6	91.9
800	FEET	72.8	78.8	81.2	82.6	85.1	85.8	87.2	88.5	88.9	90.5	91.6	91.8	92.2	92.5	92.8	93.0
700	FEET	71.1	79.6	82.2	83.9	86.5	87.1	89.7	90.0	90.5	92.2	93.4	93.6	94.1	94.4	94.7	95.1
600	FEET	71.4	80.2	82.9	84.7	87.4	88.1	89.8	91.2	91.7	93.4	94.9	95.1	95.6	95.9	96.2	96.6
500	FEET	71.5	80.4	83.2	84.9	87.8	88.5	90.3	91.9	92.4	94.3	95.9	96.1	96.8	97.1	97.6	98.0
400	FEET	71.5	80.5	83.3	85.0	87.9	88.6	90.4	92.1	92.6	94.7	96.6	96.8	97.5	98.0	98.7	99.3
300	FEET	71.5	80.5	83.3	85.0	87.9	88.6	90.4	92.1	92.6	94.7	96.7	96.9	97.7	98.1	99.1	99.8
200	FEET	71.5	80.5	83.3	85.0	87.9	88.6	90.4	92.1	92.6	94.7	96.7	96.9	97.7	98.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-32

STATION NAME

UNIT

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

		VISIBILITY STATE IN MILES															
		20	26	28	24	22	20	18	16	14	12	10	8	6	4	2	0
1000	55.6	56.2	56.5	56.8	57.1	57.2	57.3	57.4	57.4	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7
900	59.6	60.9	61.3	61.5	61.9	62.2	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5
800	61.2	61.6	62.1	62.2	62.5	62.6	62.7	62.8	62.8	62.9	63.0	63.1	63.1	63.1	63.2	63.2	63.2
700	62.7	64.2	64.5	64.6	65.1	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.7	65.7	65.8	65.8	65.8
600	65.8	67.5	67.7	68.1	68.5	68.6	68.7	68.8	68.8	68.9	69.0	69.0	69.1	69.1	69.2	69.2	69.2
500	69.9	68.5	68.2	69.2	69.6	69.6	69.8	69.9	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.3	70.3
400	68.3	71.2	71.7	72.0	72.4	72.5	72.6	72.7	72.7	72.9	72.9	73.0	73.0	73.1	73.1	73.2	73.2
300	71.8	72.8	73.3	73.6	74.1	74.1	74.3	74.4	74.4	74.6	74.6	74.7	74.7	74.8	74.8	74.9	74.9
200	71.8	74.3	74.5	74.8	75.3	75.4	75.5	75.6	75.7	75.8	75.9	75.9	75.9	76.0	76.0	76.1	76.1
100	73.5	75.9	76.5	76.9	77.4	77.5	77.7	77.8	77.8	77.9	78.0	78.1	78.1	78.2	78.2	78.3	78.3
50	74.4	76.8	77.5	77.6	78.4	78.4	78.6	78.8	78.8	78.9	79.0	79.0	79.1	79.1	79.2	79.3	79.3
20	75.7	78.4	79.1	79.5	80.1	80.2	80.4	80.5	80.5	80.7	80.8	80.8	80.9	80.9	81.0	81.1	81.1
10	76.7	79.6	80.4	80.8	81.5	81.5	81.8	82.0	82.0	82.2	82.3	82.3	82.4	82.4	82.4	82.5	82.5
5	77.3	81.2	82.7	82.4	83.2	83.3	83.5	83.7	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.3	84.3
2	77.3	82.7	83.6	84.1	84.9	85.0	85.3	85.5	85.5	85.7	85.9	85.9	86.0	86.0	86.1	86.1	86.1
1	78.4	84.2	85.2	85.6	86.5	86.7	87.2	87.2	87.3	87.5	87.7	87.7	87.8	87.8	87.9	88.0	88.0
0.5	80.8	84.6	85.6	86.2	87.1	87.3	87.7	87.9	88.0	88.2	88.4	88.4	88.5	88.5	88.6	88.7	88.7
0.2	81.7	85.7	86.9	87.5	88.5	88.7	89.1	89.4	89.5	89.7	89.9	89.9	90.0	90.0	90.1	90.2	90.2
0.1	82.7	87.2	88.4	89.1	90.2	90.5	90.9	91.3	91.4	91.7	91.9	92.0	92.1	92.1	92.2	92.3	92.3
0.05	83.4	88.1	89.5	90.2	91.4	91.6	92.2	92.6	92.7	93.1	93.4	93.4	93.6	93.6	93.7	93.8	93.8
0.02	85.7	88.6	90.0	90.8	92.0	92.3	92.9	93.3	93.4	93.9	94.2	94.2	94.4	94.4	94.5	94.6	94.6
0.01	83.9	88.9	90.4	91.2	92.5	92.8	93.4	93.8	94.0	94.5	94.8	94.9	95.0	95.1	95.2	95.3	95.3
0.005	84.1	89.3	90.8	91.6	93.0	93.3	93.9	94.4	94.6	95.1	95.4	95.5	95.7	95.7	95.8	96.0	96.0
0.002	84.3	89.6	91.2	92.1	93.5	93.8	94.5	95.0	95.2	95.8	96.2	96.2	96.4	96.5	96.6	96.8	96.8
0.001	84.4	89.9	91.7	92.6	94.2	94.5	95.2	95.8	96.0	96.5	97.1	97.1	97.3	97.4	97.5	97.7	97.7
0.0005	84.5	90.2	91.9	92.9	94.6	95.0	95.8	96.5	96.7	97.4	97.9	97.9	98.1	98.2	98.4	98.5	98.5
0.0002	84.6	90.2	92.1	93.1	94.8	95.2	96.1	96.8	97.1	97.8	98.4	98.5	98.7	98.8	99.0	99.1	99.1
0.0001	84.6	90.3	92.1	93.1	94.9	95.3	96.2	97.0	97.2	98.1	98.7	98.8	99.1	99.2	99.4	99.5	99.5
0.00005	84.6	90.3	92.1	93.1	94.9	95.3	96.2	97.0	97.3	98.1	98.8	98.9	99.2	99.4	99.6	99.7	99.7
0.00002	84.6	90.3	92.1	93.1	94.9	95.3	96.2	97.0	97.3	98.1	98.8	98.9	99.2	99.4	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 87556

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

SKY COVER

73-54

445

STATION

5747

222

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MONTH	HOURS LST:	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	6-82	21.1			21.6						15.3	35.1	6.5	916
	7-85	31.6			23.8						13.1	34.5	5.3	971
	8-88	23.0			25.2						15.7	35.1	5.7	917
	9-11	7.8			23.6						22.2	39.4	6.8	917
	11-14	13.1			27.2						23.1	39.6	6.9	919
	15-17	8.7			17.9						24.7	38.5	5.9	921
	18-2	13.4			25.4						21.3	36.8	6.5	923
	7-23	23.4			24.7						15.9	36.1	5.8	915
TOTALS		13.5			25.7						18.9	36.9	6.2	7353

FORM 0-9.5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

73-82

454

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DATA NAME

948 30

M

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL CLOUDS IN 50		
		0	1	2	3	4	5	6	7	8			9	10
FEB	0-02	26.9			20.4						11.7	41.6	5.8	645
	03-05	24.6			19.7						14.3	41.4	5.8	641
	06-08	13.4			24.0						16.6	43.9	5.8	642
	09-11	7.3			22.6						24.0	46.2	7.5	640
	12-14	7.4			21.9						23.5	47.3	7.5	640
	15-17	6.9			21.2						25.7	46.3	7.6	645
	18-20	9.0			27.2						21.8	42.0	7.0	645
	21-23	21.0			21.0						17.3	39.7	5.2	643
TOTALS		14.7			22.2						19.5	43.6	5.8	6741

SKY COVER

73-22

482

STATION

STATION NAME

2000

22

3

25

SKY COVER

73-82

APR

STATION

STATION NAME

PER OC

— 2 —

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	34.3			17.8						12.2	35.7	5.2	894
	03-05	29.4			21.9						13.9	34.6	5.4	933
	06-08	10.2			27.3						23.7	39.4	6.9	930
	09-11	9.2			27.3						22.5	41.0	6.9	899
	12-14	7.5			24.6						27.4	40.6	7.3	899
	15-17	7.1			24.8						29.1	39.0	7.3	698
	18-20	6.8			31.6						22.7	39.6	6.9	892
	21-23	22.2			28.0						14.9	34.9	5.7	693
TOTALS		15.9			25.4						23.6	38.1	5.4	7175

SKY COVER

444

PERIOD

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USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

SKY COVER

204

WQW*

MONTH	HOURS (LST)	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	06-08	24.0			31.4						15.8	28.6	5.2	900
	09-11	11.8			38.9						24.6	24.7	5.8	899
	12-14	8.2			35.8						25.1	30.9	6.4	900
	15-17	7.6			36.7						26.0	29.8	5.4	900
	18-20	3.3			37.8						32.6	26.3	6.7	900
	21-23	3.2			38.7						31.9	26.2	6.7	900
	24-26	5.2			39.4						31.0	24.3	6.4	900
	27-29	7.9			44.3						24.7	23.1	5.9	900
TOTALS		8.9			37.9						26.5	26.8	6.2	7199

SKY COVER

73-82

July

STATION

STATION NAME

PER-OC

 M_2N^{2+}

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	35.3			32.0						15.9	16.6	4.1	929
	03-05	20.4			42.3						18.9	18.4	4.8	927
	06-08	3.3			42.2						31.3	18.2	5.9	929
	09-11	9.9			43.7						27.7	18.7	5.7	933
	12-14	7.7			45.6						31.0	15.7	5.7	930
	15-17	7.2			44.7						35.1	13.0	5.2	931
	18-20	9.7			46.8						32.5	11.0	5.4	929
	21-23	15.3			40.5						22.4	11.8	4.7	927
TOTALS		14.4			43.4						26.9	15.5	5.3	7431

USAFETAC

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

727575 MINOT AFB ND

73-80

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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	33.3			34.2						17.5	15.7	4.1	929
	03-05	26.9			36.2						19.1	17.6	4.6	926
	06-08	6.8			42.7						27.8	22.7	5.1	925
	09-11	7.7			38.3						28.1	25.9	5.3	926
	12-14	5.9			42.8						31.7	19.5	5.1	927
	15-17	7.3			39.7						35.7	17.3	5.1	927
	18-20	5.5			45.2						31.4	16.9	5.9	927
	21-23	19.8			43.4						22.0	14.8	4.8	926
TOTALS		14.3			40.3						26.7	18.7	5.5	7413

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

73-82

554

STATION

STAT ON NAME

9800

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MONTH	HOURS (LST)	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	36.7			24.2						15.9	23.2	4.5	970
	03-05	35.3			24.6						15.7	24.5	4.6	899
	06-08	13.4			37.1						25.3	24.2	5.8	897
	09-11	13.3			35.9						23.5	27.6	5.0	920
	12-14	13.0			35.9						25.9	28.2	5.2	920
	15-17	9.4			35.2						30.3	24.6	5.3	900
	18-20	11.0			38.4						27.7	22.9	5.9	930
	21-23	20.7			30.9						17.3	23.1	4.8	900
TOTALS		19.7			32.8						22.8	24.6	5.5	7196

SKY COVER

73-82

321

STATION

STATION NAME

— 95 —

4.2.2

MONTH	HOURS ULST:	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
JCT	00-02	30.4			24.1						15.6	29.9	5.1	930
	03-05	29.4			24.7						15.1	30.9	5.2	930
	06-08	12.4			33.4						23.1	31.1	5.2	929
	09-11	8.8			28.1						26.0	37.1	5.9	931
	12-14	7.4			27.0						29.2	36.3	7.1	930
	15-17	6.5			28.8						29.5	35.2	7.0	929
	18-20	10.1			30.6						27.5	31.7	6.6	930
	21-23	23.7			25.2						18.9	32.3	5.7	931
TOTALS		16.1			27.7						23.1	33.1	5.2	7438

SKY COVER

404

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NUMBER OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	29.9			18.8						14.5	36.7	5.5	897
	03-05	29.3			19.3						14.5	36.4	5.6	895
	06-08	17.2			28.3						16.7	37.4	5.1	920
	09-11	9.8			26.2						22.1	39.9	6.8	920
	12-14	8.8			28.2						25.0	40.0	6.9	900
	15-17	7.2			31.6						22.9	38.3	6.8	900
	18-20	17.0			26.5						20.9	35.6	6.2	899
	21-23	25.8			24.8						13.7	35.7	5.5	599
TOTALS		18.1			25.7						18.6	37.6	6.2	7197

SKY COVER

73-82

DEC

STATION

S* A* : * N A M F

10 11

— 43 —

MONTH	HOURS LST.	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	05-12	21.0			16.7						17.9	44.0	6.5	923
	05-09	21.9			20.1						13.6	44.3	6.3	925
	06-08	17.7			23.4						16.9	42.7	6.5	913
	09-11	7.7			22.9						24.6	44.9	7.4	926
	12-14	9.1			23.7						23.7	44.2	7.7	927
	15-17	7.8			25.6						21.6	45.0	7.2	925
	18-2	11.9			25.5						18.8	43.6	6.8	926
	21-23	17.8			19.3						20.1	43.2	6.7	922
TOTALS		14.3			22.0						19.6	44.1	6.8	7392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

727575 MINOT AFB ND

73-82

ALL

STATION

STATION NAME

PERIOD

WAVE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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	14.5			25.7						18.9	36.9	5.2	7352
FEB		14.7			22.2						19.5	43.6	6.8	6741
MAR		15.8			23.9						19.4	41.0	6.6	7361
APR		15.8			25.4						20.6	38.1	6.4	7175
MAY		9.2			29.0						26.6	35.2	6.8	7401
JUN		5.9			37.9						26.5	26.8	6.2	7199
JUL		14.4			43.4						26.9	15.5	5.3	7431
AUG		14.3			40.3						26.7	18.7	5.5	7413
SEP		19.7			32.8						22.8	24.8	5.5	7196
OCT		16.1			27.7						23.1	33.1	6.2	7438
NOV		16.1			25.7						18.6	37.6	6.2	7193
DEC		14.3			22.0						19.6	44.1	6.8	7392
TOTALS		15.3			29.7						22.4	33.0	6.2	67288

USAFETAC

FORM 0-9.5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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.

When the mean and standard deviation is not available, the extreme values are used.

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 ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σ_X). 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 1940. Relative humidity usually was not reported prior to 1940, 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.

GENERAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC
727675 HINCT AFB ND

STATION NAME

59-62

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100					.1	.1	1.5	.8	.7				.3
95				.1	.4	.9	5.8	6.3	1.9				1.3
90				.4	2.4	4.5	17.5	18.5	5.2	.1			4.1
85				1.2	6.0	14.3	35.3	35.1	11.0	.5			6.7
80				2.6	12.6	27.8	61.4	53.3	19.7	2.4			15.1
75			.3	5.5	22.2	51.0	81.5	70.8	31.3	6.6	.1		22.6
70			.6	10.1	38.7	74.3	94.7	85.0	46.1	14.0	.7		30.5
65			1.3	16.2	53.0	87.7	98.9	93.8	61.7	24.2	1.7		35.7
60			3.8	27.1	66.9	95.8	99.7	98.7	74.9	37.8	4.3		42.6
55		.2	7.4	39.9	81.3	99.4	99.9	99.9	85.5	53.5	9.6		45.4
50	.1	.6	13.2	55.1	90.7	100.0	100.0	100.0	94.5	68.1	18.4	1.3	53.8
45	1.0	3.2	20.6	67.0	95.8				97.8	82.2	26.8	3.1	56.3
40	5.5	9.8	31.6	76.8	98.5				99.3	88.2	37.1	10.5	63.5
35	12.3	19.1	47.7	88.1	99.7				100.0	95.8	52.8	19.4	69.9
30	19.5	32.9	62.0	97.1	100.0					97.7	68.7	33.3	75.2
25	29.0	46.9	72.5	98.6						100.0	81.0	44.0	81.2
20	36.6	56.3	82.5	99.4							88.6	59.1	85.4
15	44.2	66.6	90.5	99.7							92.6	66.6	86.5
10	53.2	75.7	94.8	100.0							96.5	74.7	91.3
5	64.0	85.7	97.6								98.7	83.0	94.1
0	75.0	91.2	99.4								99.1	91.2	96.3
-5	85.3	97.2	99.9								99.9	95.6	98.1
-10	93.4	99.1	100.0								100.0	98.6	99.3
-15	98.3	99.6										99.6	99.6
-20	99.6	100.0										100.0	100.0
-25	100.0												100.0
MEAN	12.9	21.1	33.3	51.2	65.4	74.9	81.7	81.1	68.4	55.4	35.3	21.0	51.1
S.D.	16.448	14.412	14.242	13.786	12.019	8.743	7.368	9.625	12.495	12.459	13.981	14.960	26.709
TOTAL OBS	713	650	713	690	713	690	713	713	690	744	690	712	8431

USAFETAC 0.215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
727575 MINOT AFB ND

DAILY TEMPERATURES

59-82

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
70						.1	1.0	.6					.1
65					.3	2.5	9.5	3.8	.4				1.4
60					2.1	12.6	31.8	18.8	3.2				5.6
55				.3	6.5	34.6	66.2	46.7	9.1	.1			13.7
50				1.0	19.4	68.4	88.9	74.1	25.4	2.3			23.4
45				3.9	39.7	87.7	97.9	92.1	45.9	8.9	.3		31.5
40			.1	12.9	62.8	97.1	99.7	97.8	70.0	23.3	.9		38.9
35	.6	.6	2.4	29.4	81.6	99.0	100.0	99.6	87.7	46.8	4.5	.3	46.3
30	1.4	1.6	6.2	41.9	87.2	99.4		99.9	92.2	54.6	8.0	.6	49.7
25	1.7	3.2	14.2	60.4	93.3	100.0		100.0	96.7	73.9	14.3	1.5	55.0
20	4.9	9.4	31.3	80.1	98.3				99.4	86.2	31.9	6.7	62.7
15	8.6	17.2	45.7	90.6	100.0				99.7	94.0	49.6	15.6	68.7
10	14.9	26.5	55.8	95.5					100.0	98.1	67.1	27.7	74.1
5	21.2	36.6	67.5	98.1						99.6	78.1	38.9	78.6
0	27.9	45.7	77.3	98.8						99.9	84.9	48.5	82.1
-5	37.3	55.7	86.3	99.0						100.0	91.4	60.8	86.0
-10	49.2	66.3	91.4	99.3							94.5	71.8	89.0
-15	59.3	79.7	95.9	99.9							97.8	82.4	93.0
-20	72.7	88.6	98.0	100.0							99.1	91.0	95.6
-25	85.1	96.8	99.2								100.0	95.9	98.1
-30	94.5	98.6	99.9									98.9	99.3
-35	99.0	99.7	100.0									99.9	99.9
-40	100.0	100.0										100.0	100.0
MEAN	-4.2	3.3	15.3	37.4	42.2	52.1	56.8	53.7	43.9	33.4	17.5	3.9	29.1
S.D.	15.497	14.965	13.421	8.865	8.323	6.422	5.791	6.553	8.122	8.345	11.968	14.102	23.177
TOTAL OBS	713	650	713	690	713	690	713	713	690	744	690	712	8431

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

727575 MINOT AFB ND

59-82

YEAR

DAILY TEMPERATURES

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							.1						.0
85						.1	.6	.3					.1
80					.3	.4	5.2	3.2	.6				.8
75					1.8	5.5	21.2	15.7	3.0				4.0
70				.6	4.5	20.0	50.2	38.8	8.7				10.3
65				1.3	13.5	44.5	79.5	63.8	19.7	1.5			13.6
60				3.9	28.3	72.8	96.1	84.0	36.5	6.0			27.4
55			.4	10.0	47.1	92.0	99.6	95.2	55.2	14.5	.6		34.7
50			1.0	18.4	67.9	98.6	100.0	99.2	77.0	32.0	1.9		41.5
45			4.9	35.9	85.0	100.0		99.9	89.9	51.1	5.9	.1	48.0
40	.8	1.1	12.8	57.8	94.2			100.0	97.1	71.4	15.1	1.0	54.6
35	2.7	5.1	24.4	74.3	98.6				99.3	85.3	26.7	4.2	60.4
30	6.5	12.6	39.8	88.4	99.7				100.0	94.1	44.5	10.8	66.7
25	12.8	22.6	55.0	95.2	100.0					97.4	62.3	22.6	72.6
20	21.5	35.4	66.5	98.1						99.6	75.8	35.8	77.9
15	29.0	47.1	76.4	98.6						100.0	84.6	50.1	82.4
10	37.4	56.6	85.6	99.3							94.7	59.7	85.9
5	46.7	68.5	91.6	99.7							94.5	70.1	89.3
0	56.2	78.3	95.7	100.0							97.1	78.1	92.2
-5	67.6	87.7	98.3								96.7	87.8	95.0
-10	80.6	93.5	99.6								99.6	94.2	97.3
-15	89.6	98.3	99.9								100.0	97.2	98.7
-20	97.8	99.5	100.0									99.6	99.7
-25	99.6	100.0										100.0	100.0
-30	100.0												100.0
MEAN	4.4	12.3	24.5	41.1	54.1	63.7	69.5	67.1	52.4	44.6	27.1	12.6	39.6
SD	15.679	14.258	13.329	10.379	9.293	6.665	5.976	7.240	9.326	9.478	12.349	14.162	24.684
TOTAL OBS	713	650	713	690	713	690	713	713	692	744	690	712	8431

USAFETAC 0.215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

59-A2

YEARS

WHOLE DEGREES FAHRENHEIT

	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR														
59											69	56	41	
60		41	40	60	68	87	89	106	96	98	82	64	45	106
61		47	51	63	67	87	96	93	101	83	83	70	51	101
62		43	42	58	86	77	88	83	93	88	74	59	53	93
63		50	58	75	77	87	84	95	96	92	91	58	48	96
64		43	45	55	72	92	92	92	97	86	83	65	33	97
65		33	43	39	79	84	81	85	99	77	74	74	53	99
66		26	40	75	64	88	91	95	91	92	82	46	43	95
67		41	40	63	64	84	92	97	94	91	71	55	52	97
68		44	45	69	87	78	94	98	93	88	71	51	42	98
69		32	33	38	72	94	83	89	100	91	70	63	58	100
70		41	46	45	76	90	93	99	98	97	80	56	44	99
71		37	44	63	82	85	87	88	105	96	73	55	37	105
72		45	43	54	66	94	89	89	95	87	72	48	41	95
73		46	48	68	79	86	95	98	99	84	80	50*	33	99
74		42	40	45	80	76	94	100	93	85	81	58	46	100
75		39	40	56	58	82	89	100	92	87	81	75	42	100
76		37	46	61	79	80	87	100	99	100	85	64	48	100
77		32	50	63	91	96	96	107	86	83	60	66	39	107
78		30	36	62	71	85	89	94	100	103	76	70	36	103
79		23	34	40	64	90	104	96	90	98	76	58	59	104
80		44	32	53	96	100	94	102	90	95	86	61	48	102
81		47	50	61	83	86	93	103	97	96	71	69	38	103
82		35	46	46	85	88	86	92	96	100	71			
MEAN		39.1	43.1	57.1	76.1	86.8	92.7	95.7	95.7	91.2	77.6	60.5	45.4	100.0
S.D.		7.065	6.194	10.721	9.768	6.215	5.267	6.284	4.226	6.713	6.314	6.222	7.235	3.795
TOTAL OBS		713	650	713	690	713	690	713	713	690	744	690	712	690

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

727675 MINOT AFB ND STATION NAME

59-82

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										17	-10	7	
60	-23	-10	-15	19	26	38	47	44	31	8	-14	-15	-23
61	-26	-23	12	10	20	42	47	48	27	18	3	-25	-26
62	-29	-32	-30	17	24	36	44	43	31	18	16	-16	-32
63	-25	-19	0	19	22	43	50	44	35	22	-8	-25	-25
64	-24	-18	-21	18	31	31	42	34	27	19	-23	-21	-24
65	-23	-19	-13	25	28	42	45	37	19	22	-3	-16	-23
66	-34	-26	0	13	22	39	50	42	31	14	-7	-19	-34
67	-27	-29	-6	8	20	35	38	42	28	24	-5	-33	-33
68	-32	-16	6	5	29	41	43	36	34	23	0	-26	-32
69	-27	-24	-10	19	31	30	47	45	35	17	3	-10	-27
70	-28	-20	-8	11	30	47	49	43	26	22	-6	-25	-28
71	-28	-23	-2	15	29	34	44	41	34	17	1	-17	-28
72	-32	-21	-24	13	26	37	41	42	28	4	-7	-27	-32
73	-25	-20	15	8	27	43	48	46	27	25	-9	-24	-25
74	-28	-25	-15	16	29	38	47	38	19	17	-3	-4	-28
75	-22	-19	-9	-11	32	41	49	39	32	18	-18	-22	-22
76	-28	-17	-22	22	25	39	39	40	23	13	-8	-26	-28
77	-32	-9	2	12	32	47	49	37	35	27	-15	-30	-32
78	-30	-18	-14	22	32	33	46	37	32	22	-20	-24	-30
79	-27	-30	-13	-8	24	39	44	33	34	17	4	-12	-30
80	-21	-27	-22	16	23	40	49	40	33	16	3	-25	-27
81	-19	-20	12	14	21	46	49	42	31	7	13	-18	-20
82	-29	-20	-6	8	30	40	48	30	28	22			
MEAN	-26.4	-21.0	-8.0	12.7	26.7	39.1	46.1	40.1	29.5	17.7	-4.8	-19.5	-27.7
S D	4.199	5.628	12.223	8.698	4.041	4.709	3.963	4.393	4.679	5.761	9.472	9.065	4.187
TOTAL OBS	713	650	713	690	713	691	713	713	690	744	690	712	8433

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

JAN

STATION

STATION NAME

YEARS

402

PAGE 1 0000-0200

5000 0200
 5000 0200

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														1	1														
40/ 39			.1	.1														2	2														
38/ 37			.6	.1														7	7														
36/ 35		.1	.3	.3														7	7	5													
34/ 33		.5	.8															12	12	7													
32/ 31		.6	1.1															16	16	10	5												
30/ 29		1.5	.6															20	20	16	4												
28/ 27		1.3	1.0															21	21	24	5												
26/ 25		1.5	.3															17	17	21	16												
24/ 23	.1	1.3	.4															17	17	21	11												
22/ 21	.1	2.5	.3															27	27	30	23												
20/ 19	.2	4.6	.1															46	46	24	24												
18/ 17	.9	1.8	.2															27	27	49	27												
16/ 15	.3	2.3																24	24	21	39												
14/ 13	.2	2.2																22	22	23	28												
12/ 11	.1	3.5																34	34	24	23												
10/ 9	.9	3.8																43	43	52	37												
8/ 7	.2	3.2																32	32	32	23												
6/ 5	.6	3.1																35	35	38	24												
4/ 3	.5	2.9																32	32	36	28												
2/ 1	.3	3.4																35	35	28	48												
0/ -1	2.5	1.9																41	41	39	36												
-2/ -3	3.7	2.7																59	59	63	22												
-4/ -5	3.0	1.1																38	38	42	23												
-6/ -7	3.1	1.1																39	39	39	23												
-8/ -9	2.9																	27	27	37	34												
-10/-11	3.8																	35	35	35	49												
-12/-13	2.8																	26	26	26	31												
-14/-15	4.7																	44	44	44	33												
-16/-17	3.4																	32	32	32	21												
-18/-19	5.1																	47	47	47	40												
-20/-21	1.8																	17	17	17	27												
-22/-23	2.6																	24	24	24	45												
-24/-25	1.4																	13	13	13	48												
Element (X)	Σ X ²		Σ X		Σ	Σ	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																																	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS 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															
-26/-27	1.1																		10	10	10	33														
-28/-29	.1																		1	1	1	31														
-30/-31																						20														
-32/-33																						26														
-34/-35																						15														
-36/-37																						6														
TOTAL	46.5	47.0	5.9	.6															930	930	930	930														
																	</																			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

JAN
MONTH

PAGE 1 0300-0500
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																																																
42/ 41					.1													1														1																																						
40/ 39					.3													3														3																																						
38/ 37			.8	.2														9														9																																						
36/ 35			.6	.2														8														8		3																																				
34/ 33			1.2	.2														13														13		10																																				
32/ 31		.1	1.2															12														12		1																																				
30/ 29		1.2	.2	.1														14														14		5																																				
28/ 27		.9	1.3															20														20		4																																				
26/ 25		2.2	.8															27														27		20																																				
24/ 23		1.2	.2															13														13		12																																				
22/ 21	.1	1.6	.3															19														19		19																																				
20/ 19	.3	4.4	.4															48														48		19																																				
18/ 17	.5	2.3	.2															28														28		32																																				
16/ 15	.3	1.9																21														21		30																																				
14/ 13	.4	3.0																32														32		27																																				
12/ 11	.3	3.2																33														33		35																																				
10/ 9	.4	2.7																29														29		33																																				
8/ 7	.3	3.3																34														34		31																																				
6/ 5	.2	3.7																36														36		28																																				
4/ 3	.9	2.4																30														30		24																																				
2/ 1	.5	3.4																37														37		30																																				
0/ -1	2.3	1.9																39														39		36																																				
-2/ -3	3.1	2.4																51														51		24																																				
-4/ -5	2.0	1.4																32														32		30																																				
-6/ -7	3.4	1.0																41														41		29																																				
-8/ -9	2.9																	27														27		31																																				
-10/-11	5.2																	48														48		36																																				
-12/-13	2.7																	25														25		20																																				
-14/-15	3.7																	34														34		38																																				
-16/-17	4.1																	38														38		32																																				
-18/-19	5.7																	53														53		28																																				
-20/-21	1.9																	18														18		41																																				
-22/-23	2.4																	22														22		39																																				
-24/-25	2.3																	19														19		43																																				
Element (X)	ΣX^1					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																																																																						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND
STATION

73-82

— 149 —

PAGE 2 0320-2520

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

JAN

PAGE 1 2620-0800

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														
44/ 43					.1													1	1																
40/ 39																		1	1																
38/ 37			.2	.3														5	5	1															
36/ 35			1.0	.5														14	14	1															
34/ 33			1.1															10	10	7															
32/ 31		.3	.4															7	7	13															
30/ 29		1.3	.8															19	19	13	3														
28/ 27		1.5	.2															16	16	17	6														
26/ 25	.1	1.9	.8															26	26	22	17														
24/ 23		1.4	.2															15	15	27	17														
22/ 21		2.8	.3															29	29	22	14														
20/ 19	.4	3.2																34	34	27	22														
18/ 17	.2	2.7	.2															29	29	36	29														
16/ 15	.3	3.4	.2															37	37	29	28														
14/ 13	.5	4.1																43	43	36	30														
12/ 11	.4	4.0																41	41	53	26														
10/ 9	.3	1.6	.1															19	19	29	30														
8/ 7	.5	2.0																24	24	24	50														
6/ 5	.4	2.6																28	28	27	39														
4/ 3	.5	2.9																32	32	40	26														
2/ 1	.9	2.4																30	30	24	21														
0/ -1	2.3	1.8																38	38	31	25														
-2/ -3	3.1	1.9																47	47	60	23														
-4/ -5	1.9	1.1																28	28	25	39														
-6/ -7	2.2	.9																28	28	27	10														
-8/ -9	5.3																	49	49	57	28														
-10/-11	3.5																	33	33	33	47														
-12/-13	3.0																	28	28	28	23														
-14/-15	5.2																	48	48	48	26														
-16/-17	3.7																	34	34	34	29														
-18/-19	5.8																	54	54	54	29														
-20/-21	2.3																	21	21	21	44														
-22/-23	2.5																	23	23	23	44														
-24/-25	1.6																	15	15	15	35														
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X														
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

JAN

PAGE 2 - 0600-0900

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

JAN

STATION

STATION NAME

YEARS

PAGE 1 2900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb			TOTAL Wet Bulb 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

73-82

JAN

PAGE 2 1933-1123

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														
-26/-27	.6																	6	6	6	39														
-28/-29	.3																	3	3	3	45														
-30/-31	.1																	1	1	1	22														
-32/-33																					15														
-34/-35																					13														
-36/-37																					8														
-38/-39																					1														
TOTAL	45.4	46.3	6.7	1.6																930	930														

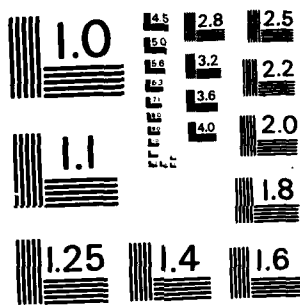
UNCLASSIFIED

MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS 83/018 SBI-AD-E850 396 F/G 4/2

F/G 4/2

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4/6



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURS S. T. L.

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													
46/ 45					.3																										3	3	
44/ 43					.3	.2																									5	5	
42/ 41					.1	.1																									2	2	
40/ 39				.1	1.0																										10	10	
38/ 37		.1	.6	.3																											10	10	6
36/ 35		.2	1.3	.6																											20	20	11
34/ 33		.6	1.2	.2																											19	19	19
32/ 31		.5	1.7	.1																											22	22	20
30/ 29		1.3	1.4																												25	25	23
28/ 27		1.6	1.4	.1																											29	29	24
26/ 25		2.7	1.8	.1																											43	43	38
24/ 23		1.4	1.0	.1																											23	23	41
22/ 21	.1	1.9	1.2																												30	30	32
20/ 19		4.0	.4																												41	41	30
18/ 17	.2	3.9																													38	38	45
16/ 15		3.2																													30	30	41
14/ 13	.1	1.7	.1																												18	18	21
12/ 11		3.1	.1																												30	30	21
10/ 9	.1	4.0																													38	38	32
8/ 7	.1	2.6																													25	25	41
6/ 5	.3	3.0																													31	31	34
4/ 3	.4	3.9																													40	40	47
2/ 1	1.0	4.6																													52	52	43
0/ -1	3.1	1.2																													40	40	44
-2/ -3	1.7	2.9																													43	43	39
-4/ -5	1.9	1.7																													34	34	37
-6/ -7	2.2	1.5																													34	34	33
-8/ -9	4.4																														41	41	54
-10/-11	4.3																														40	40	40
-12/-13	3.3																														31	31	31
-14/-15	4.1																														38	38	38
-16/-17	2.4																														22	22	22
-18/-19	1.5																														14	14	14
-20/-21	.6																														6	6	6
Element (X)	Σ X ²			Σ X			X̄			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																																	

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

— J.A.A.

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
11 JAN 79

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

JAN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

HOURS 11:30-7:00

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

PAGE 2 ~~1500-1700~~

1500-1700
HOUSE OF COMMONS[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 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				
40/ 39			.4	.3																7	7			
38/ 37			.9	.4																12	12	3		
36/ 35			1.2																	11	11	2		
34/ 33		.9	1.3																	20	20	14		
32/ 31		.4	1.4																	17	17	24	3	
30/ 29		1.3	1.1																	22	22	14	8	
28/ 27	.2	1.8	1.1																	29	29	28	16	
26/ 25	.2	3.1	.3																	34	34	29	29	
24/ 23	.1	1.8	.1																	19	19	43	9	
22/ 21		3.0	.5																	33	33	25	29	
20/ 19	.1	2.8	.3																	30	30	25	37	
18/ 17	.3	3.9	.2																	41	41	43	31	
16/ 15	.8	2.8																		33	33	42	26	
14/ 13	.3	3.2																		33	33	21	36	
12/ 11	.1	3.0																		29	29	37	42	
10/ 9	.2	3.0																		30	30	39	26	
8/ 7		2.9																		27	27	24	38	
6/ 5	.8	2.9																		34	34	36	14	
4/ 3	.4	3.1																		33	33	36	37	
2/ 1	1.1	4.6																		53	53	41	38	
0/ -1	2.4	1.0																		31	31	43	18	
-2/ -3	1.9	2.7																		43	43	39	41	
-4/ -5	2.3	2.0																		40	40	36	20	
-6/ -7	3.5	.9																		41	41	52	38	
-8/ -9	3.2																			30	30	36	23	
-10/ -11	4.4																			41	41	41	30	
-12/ -13	3.3																			31	31	31	33	
-14/ -15	4.3																			40	40	40	28	
-16/ -17	2.9																			27	27	27	30	
-18/ -19	3.8																			35	35	35	39	
-20/ -21	1.0																			9	9	9	38	
-22/ -23	1.0																			9	9	9	55	
-24/ -25	.4																			4	4	4	42	
-26/ -27	.2																			2	2	2	29	
Element (X)	Σ X'		Σ X		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 JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

73-82

JAN
MONTH

PAGE 2 ~~1800-2000~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300
HOURS (1, 5, 10)

[illegible]

PSYCHROMETRIC SUMMARY

227675
STATION

MINOT AFB ND

73-A2

111

PAGE 2 2100-2300
HOURS U. S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

JAN
MONTH

PAGE 1

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					
46/ 45				.0	.1													7	7							
44/ 43				.0	.0													6	6							
42/ 41			.0	.1	.0													14	14							
40/ 39			.2	.4	.0													42	42	3						
38/ 37		.0	.6	.3														63	63	14						
36/ 35		.0	1.0	.3														106	106	40						
34/ 33		.4	1.1	.1														113	113	95						
32/ 31		.6	1.2	.1														144	144	135	23					
30/ 29		1.2	1.0	.0														173	173	140	44					
28/ 27	.1	1.5	.9	.0														182	182	183	108					
26/ 25	.0	2.3	.9	.0														241	241	220	183					
24/ 23	.1	1.4	.4	.0														142	142	259	117					
22/ 21	.1	2.5	.5															229	229	214	178					
20/ 19	.2	3.5	.3															297	297	213	224					
18/ 17	.3	3.1	.1															263	263	325	252					
16/ 15	.3	3.2	.1															268	268	275	251					
14/ 13	.3	3.1	.1															260	260	233	246					
12/ 11	.2	3.1	.0															250	250	201	239					
10/ 9	.4	2.8	.0															245	245	299	282					
8/ 7	.3	2.8																228	228	220	279					
6/ 5	.4	2.8																240	240	271	203					
4/ 3	.6	3.2																282	272	321	236					
2/ 1	.7	4.2																363	363	284	262					
0/ -1	2.4	1.7																302	302	312	234					
-2/ -3	2.4	2.4																356	356	400	235					
-4/ -5	2.2	1.5																274	274	259	235					
-6/ -7	2.8	1.2																301	301	309	227					
-8/ -9	4.0																	294	294	380	244					
-10/-11	4.3																	322	322	322	296					
-12/-13	2.9																	219	219	219	204					
-14/-15	4.2																	309	309	309	252					
-16/-17	3.2																	237	237	237	225					
-18/-19	4.0																	296	296	296	327					
-20/-21	1.5																	113	113	113	324					
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

JAN

PAGE 2

Country	Percentage
Australia	14
Canada	12
France	11
Germany	10
Italy	10
Japan	10
Sweden	10
Switzerland	10
United States	10

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

FEB

MONTH

PAGE 1

0000-0200

HOURS U.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	5-26	27-28	29-30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
42/ 41			.4															3	3												
40/ 39			.5	.1														5	5												
38/ 37		.1	1.3	.2														14	14	3											
36/ 35		.6	2.2	.1														25	25	7											
34/ 33		1.5	.7	.1														20	20	24											
32/ 31		2.6	.4	.5														29	29	31	7										
30/ 29	.6	1.8	2.5															41	41	31	29										
28/ 27	.6	2.8	.9															37	37	32	36										
26/ 25	.5	4.1	1.1															48	48	54	35										
24/ 23	.1	2.2	.5															24	24	44	21										
22/ 21	.7	2.6	.4															31	31	35	28										
20/ 19	.8	3.8																39	39	31	49										
18/ 17	.2	3.1																28	28	33	32										
16/ 15	.2	4.4																39	39	33	41										
14/ 13	.5	3.1																30	31	31	36										
12/ 11	.1	3.2	.2															30	30	28	24										
10/ 9	.5	2.8	.1															29	29	38	36										
8/ 7	.5	2.8																28	28	29	29										
6/ 5	.4	2.6																25	25	32	27										
4/ 3	1.2	3.1																36	36	35	28										
2/ 1	2.4	3.8																52	52	50	31										
0/ -1	1.9	2.0																33	33	28	28										
-2/ -3	2.1	1.7																32	32	43	32										
-4/ -5	1.1	1.9																25	25	19	29										
-6/ -7	1.3	1.5																24	24	25	23										
-8/ -9	3.2																	27	27	38	22										
-10/-11	3.1																	26	26	26	32										
-12/-13	1.3																	11	11	11	17										
-14/-15	2.4																	20	20	20	24										
-16/-17	1.9																	16	16	16	23										
-18/-19	1.1																	9	9	9	30										
-20/-21	.1																	1	1	1	15										
-22/-23	.1																	1	1	1	22										
-24/-25	.2																	2	2	2	22										
Element (X)	Σ x ²		Σ x		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ											
Rel. Hum.																															
Dry Bulb																															
Wet Bulb																															
Dew Point																															
														Mean No. of Hours with Temperature																	
														≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total					

PSYCHROMETRIC SUMMARY

FEB

PAGE 2 ~~3000-0200~~

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											
-26/-27	.5																		4	4	4	20										
-28/-29	.3																		1	1	1	5										
-30/-31																						4										
-34/-35																						3										
-36/-37																						4										
-38/-39																						1										
TOTAL	29.6	58.2	11.1	1.1															845	846	845	845										

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 FEB
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS 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			.2	.2														4							
40/ 39				.4	.4													6							
38/ 37		.1	.9	.1														10	10		4				
36/ 35		.7	1.2	.2														18	18		6				
34/ 33		1.4	.7															18	18		19				
32/ 31		2.5	.8															28	28		27	9			
30/ 29	.2	2.2	2.0															38	38		30	22			
28/ 27	.7	2.7	1.3															40	40		32	30			
26/ 25	.8	3.3	.7															41	41		52	39			
24/ 23		2.1	.1															19	19		36	18			
22/ 21	.5	3.2	.4															34	34		29	25			
20/ 19	1.2	3.7	.1															42	42		45	40			
18/ 17	.6	2.1																23	23		31	41			
16/ 15	.1	4.5																39	39		21	38			
14/ 13	.6	2.5																26	26		37	33			
12/ 11	.2	3.8																34	34		23	29			
10/ 9	.4	1.9																19	19		40	28			
8/ 7	.4	3.0																28	28		21	33			
6/ 5	.5	4.1																39	39		37	16			
4/ 3	.7	4.7																46	46		53	17			
2/ 1	1.3	5.7																59	59		55	23			
0/ -1	3.2	1.4																39	39		40	23			
-2/ -3	.9	1.1																17	17		23	39			
-4/ -5	1.3	2.0																28	28		18	44			
-6/ -7	2.2	.9																27	27		36	37			
-8/ -9	3.2																	27	27		34	27			
-10/-11	4.3																	36	36		36	26			
-12/-13	.8																	7	7		7	11			
-14/-15	1.2																	10	10		10	21			
-16/-17	1.9																	16	16		16	17			
-18/-19	1.7																	14	14		14	42			
-20/-21	.1																	1	1		1	16			
-22/-23	.4																	3	3		3	20			
-24/-25	.2																	2	2		2	14			
Element (X)	Σ X'		Σ X		Σ		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																									

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

FEE
MONTH

PAGE 2 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												
-26/-27	.7																		6	6	6	19											
-28/-29	.2																		2	2	2	12											
-30/-31																						2											
-32/-33																						2											
-34/-35																						2											
-36/-37																						9											
-38/-39																						2											
TOTAL	30.5	59.7	8.9	.9																846		846											
																			846		846												
					</																												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

FEB

STATION

STATION NAME

YEARS

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														
42/ 41			.6															5	5																
40/ 39			.6															5	5																
38/ 37		.4	1.2	.1														14	14	6															
36/ 35			.8	.2														9	9	7															
34/ 33			.6	.9														13	13	16	5														
32/ 31		1.4	1.2															22	22	18	7														
30/ 29	.1	3.3	1.7															43	43	19	12														
28/ 27	.5	2.6	.8															33	33	43	17														
26/ 25	1.1	3.6	.5															43	43	52	35														
24/ 23	.1	2.4	.2															23	23	31	28														
22/ 21	.9	3.0	.4															36	36	32	39														
20/ 19	.6	4.5	.1															44	44	41	40														
18/ 17	1.5	2.8																37	37	50	27														
16/ 15	.4	2.0																20	20	23	42														
14/ 13	.5	2.7																27	27	18	43														
12/ 11	.8	3.4																36	36	30	31														
10/ 9	.9	2.4																28	28	41	24														
8/ 7	.4	2.4																23	23	18	24														
6/ 5	.8	1.7																21	21	33	25														
4/ 3	1.2	3.2																37	37	31	20														
2/ 1	1.2	7.0																69	69	49	41														
0/ -1	3.7	1.2																41	41	62	14														
-2/ -3	1.7	1.2																24	24	25	24														
-4/ -5	2.0	1.8																32	32	28	45														
-6/ -7	2.4	1.7																34	34	35	34														
-8/ -9	3.0																	25	25	36	31														
-10/-11	3.1																	26	26	26	32														
-12/-13	1.4																	12	12	12	13														
-14/-15	1.4																	12	12	12	28														
-16/-17	1.7																	14	14	14	23														
-18/-19	2.1																	18	18	18	25														
-20/-21	.9																	8	8	8	29														
-22/-23	.2																	2	2	2	25														
-24/-25	.1																	1	1	1	8														
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		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																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

FFF

PAGE 2 ~~0600-0800~~
HOURS 3 Y

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

FEB

STATION

STATION NAME

YEARS

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				
46/ 45				.2														2	2						
44/ 43				.2														2	2						
42/ 41			.4	.1	.1													5	5	1					
40/ 39			1.1	1.1														18	18	1					
38/ 37		.2	1.2	.9														20	20	9					
36/ 35		.5	1.5	.2														19	19	15	1				
34/ 33		.9	1.4	.4														23	23	25	1				
32/ 31		1.3	1.8															26	26	28	17				
30/ 29		1.8	1.9															31	31	23	19				
28/ 27	.6	2.8	.7															35	35	44	24				
26/ 25	.7	2.5	1.1															36	36	42	37				
24/ 23	.1	2.3	.8															27	27	30	36				
22/ 21	.5	4.4	.5															45	45	38	27				
20/ 19	.4	3.2	.2															32	32	45	47				
18/ 17	.4	3.2	.1															31	31	31	25				
16/ 15	.6	3.6																35	36	33	36				
14/ 13	.8	3.2																34	34	31	38				
12/ 11	.6	3.3																33	33	33	46				
10/ 9	.4	2.8																27	28	38	29				
8/ 7	.6	3.2																32	32	27	24				
6/ 5	.2	2.7																25	25	35	24				
4/ 3	.5	3.2																31	31	30	33				
2/ 1	.9	5.7																56	56	47	25				
0/ -1	2.7	1.7																37	37	42	28				
-2/ -3	.8	2.3																26	26	33	29				
-4/ -5	1.1	2.0																26	26	16	38				
-6/ -7	1.7	.8																21	21	31	25				
-8/ -9	4.1	.1																36	36	43	21				
-10/-11	1.2																	10	10	10	24				
-12/-13	1.7																	14	14	14	15				
-14/-15	1.8																	15	15	15	27				
-16/-17	1.4																	12	12	12	25				
-18/-19	1.8																	15	15	15	27				
-20/-21	.4																	3	3	3	26				
Element (X)	Σ X²		Σ X		X̄		σ²		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																									

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

<u>727675</u>	<u>MINOT AFB ND</u>
STATION	STATION NAME

73-82

YEARS

FEB
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

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							
50/ 49					.1													1	1									
48/ 47					.1	.2												3	3									
46/ 45				2.0	.1													18	18									
44/ 43				1.4	.1	.1												14	14									
42/ 41			.5	2.0	.1													22	22									
40/ 39			1.1	1.8	.5													28	28									
38/ 37		.1	1.4	.6														18	18									
36/ 35		.2	1.2	.6														17	17									
34/ 33		.8	1.2	.8														24	24									
32/ 31		1.2	2.5															31	31									
30/ 29	.1	2.2	1.8	.5														39	39									
28/ 27	.4	2.8	1.1	.1														37	37									
26/ 25	.5	1.4	1.1	.1														26	26									
24/ 23		3.5	.7															36	36									
22/ 21	.5	3.2	1.8															46	46									
20/ 19	.4	2.6	.4															28	28									
18/ 17	.2	4.1	.5															41	41									
16/ 15	.1	3.9	.2															36	36									
14/ 13	.8	3.4	.4															39	39									
12/ 11	.4	3.4	.1															33	33									
10/ 9	.2	4.0																36	36									
8/ 7	.2	3.9	.1															36	36									
6/ 5		3.9																33	33									
4/ 3	.5	4.4																41	41									
2/ 1	.1	2.5																22	22									
0/ -1	1.2	1.4																22	22									
-2/ -3	.5	1.7																18	18									
-4/ -5	.6	2.5																26	26									
-6/ -7	2.0	1.7																31	31									
-8/ -9	1.5																	13	13									
-10/-11	1.8																	15	15									
-12/-13	.6																	5	5									
-14/-15	.5																	4	4									
-16/-17	.4																	3	3									
Element (X)	Σ X ²		Σ X		Σ		C _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																												

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

13-82

YEARS

FEB
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 FEB
STATION STATION NAME YEARS MONTH

PAGE 1 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					
50/ 49					.6													5	5						
48/ 47					.2	.4												8	8						
46/ 45				1.4	.1													13	13						
44/ 43			.2	2.5	.5													27	27						
42/ 41			.6	1.2	.5													19	19	9					
40/ 39		.1	1.3	.5	.4													19	19	18					
38/ 37		.4	.6	.6														13	13	35					
36/ 35		.8	2.6	.7														35	35	24					
34/ 33		1.1	2.7	.6														37	37	31					
32/ 31		.6	2.5	.5														30	30	30					
30/ 29		2.8	.5	.2														30	30	37					
28/ 27	.7	1.1	1.1	.2														26	26	50					
26/ 25		4.1	2.0	.1														53	53	21					
24/ 23	.2	2.0	1.5															32	32	53					
22/ 21	.4	3.5	.6															38	38	50					
20/ 19	.1	3.8	.4															36	36	32					
18/ 17		3.5	.2															32	32	44					
16/ 15		5.1	.2															45	45	27					
14/ 13	.6	4.3																39	39	42					
12/ 11	.1	4.5	.5															43	43	40					
10/ 9		3.8																32	32	43					
8/ 7		4.6																39	39	37					
6/ 5		2.6																22	22	37					
4/ 3		3.2																27	27	29					
2/ 1		2.7																23	23	20					
0/ -1	1.2	2.2																29	29	25					
-2/ -3	.1	2.1																19	19	28					
-4/ -5	.6	3.2																30	30	15					
-6/ -7	1.2	1.8																25	25	38					
-8/ -9	.9																	8	8	19					
-10/-11	.4																	3	3	3					
-12/-13	.6																	3	3	3					
-14/-15	.6																	5	5	5					
-16/-17	.1																	1	1	1					
Element (K)	Σ X'		Σ X		Σ		Σ		Σ		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																									

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-82

FEB

STATION

STATION NAME

YEARS

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														
44/ 43				.2	.1													3		3															
42/ 41			.2	.5	.1													7		7															
40/ 39		.1	1.7	.6														20		20		1													
38/ 37		.6	2.0	.4														25		25		8													
36/ 35		2.1	1.7	.2														34		34		27													
34/ 33		1.3	1.8	.1														27		27		46	3												
32/ 31		1.3	3.0	.2														38		38		21	32												
30/ 29	.2	2.5	1.4	.2														37		37		31	36												
28/ 27	.6	2.8	1.1															38		38		57	29												
26/ 25	.1	3.0	.8															33		33		33	28												
24/ 23		3.1	.7															32		32		43	37												
22/ 21	.1	2.8	.6															30		30		38	34												
20/ 19	.6	4.6	.4															47		47		32	47												
18/ 17	.4	4.1																38		38		53	32												
16/ 15	.4	3.3	.2															33		33		33	42												
14/ 13	.4	3.4																32		32		23	38												
12/ 11	.6	4.3																41		41		42	28												
10/ 9	.2	4.3																38		38		48	48												
8/ 7		5.0																42		42		37	34												
6/ 5	.2	2.7																25		25		32	23												
4/ 3	.8	2.7																30		30		39	33												
2/ 1	.5	3.7																35		35		25	43												
0/ -1	2.1	1.2																28		28		34	23												
-2/ -3	.6	2.5																26		26		27	27												
-4/ -5	.9	1.4																20		20		18	31												
-6/ -7	1.7	1.3																25		25		26	25												
-8/ -9	2.8																	24		24		34	14												
-10/-11	1.2																	10		10		10	15												
-12/-13	.8																	7		7		7	19												
-14/-15	.9																	8		8		8	24												
-16/-17	.6																	5		5		5	15												
-18/-19	.7																	6		6		6	24												
-20/-21	.2																	2		2		2	22												
-22/-23																							16												
Element (X)	Σ X'					Σ X					Σ					Σ					Σ					Σ									
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

FEB

PAGE 2 ~~1800-2000~~

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/-25																						6										
-26/-27																						8										
-28/-29																						6										
-30/-31																						2										
-32/-33																						2										
TOTAL	17.7	64.1	15.5	2.5	.2														846	846		846										
																			846		846											
												</																				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

FEB

STATION

STATION NAME

YEARS

PAGE 1

2100-2300

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																					
40/ 39			.4	.1														4	4																					
38/ 37		.4	2.0	.2														22	22																					
36/ 35		.8	2.0	.4														27	27		8																			
34/ 33		3.5	1.2															40	40		37																			
32/ 31	.1	1.9	.8	.2														26	26		49																			
30/ 29	.6	1.7	2.2	.1														39	39		23																			
28/ 27	.2	2.8	.9															34	34		29																			
26/ 25	.4	4.3	.7															45	45		49																			
24/ 23	.4	1.8	.5															22	22		47																			
22/ 21	.6	3.1	.4															34	34		29																			
20/ 19	.7	4.7	.5															50	50		34																			
18/ 17	.4	3.1																29	29		53																			
16/ 15	.2	3.5	.1															33	33		26																			
14/ 13	.4	3.2	.1															31	31		27																			
12/ 11	.5	4.5																42	42		36																			
10/ 9	.9	1.9																24	24		43																			
8/ 7	.7	3.7																37	37		34																			
6/ 5	.4	1.9																19	19		32																			
4/ 3	1.2	3.0																35	35		25																			
2/ 1	1.4	4.5																50	50		41																			
0/ -1	3.0	.9																33	33		45																			
-2/ -3	1.3	2.6																33	33		32																			
-4/ -5	1.1	1.1																18	18		18																			
-6/ -7	2.2	1.2																29	29		29																			
-8/ -9	2.4																	20	20		29																			
-10/ -11	1.4																	12	12		12																			
-12/ -13	1.2																	10	10		10																			
-14/ -15	2.5																	21	21		21																			
-16/ -17	.9																	8	8		8																			
-18/ -19	.9																	8	8		8																			
-20/ -21	1.1																	9	9		9																			
-22/ -23																																								
-24/ -25	.1																	1	1		1																			
-26/ -27	.1																	1	1		1																			
Element (X)	Σ x'					Σ x					Σ					Σ ²					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																																								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

FEB

PAGE 2 2100-2300

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
-28/-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

FEB

STATION

STATION NAME

YEARS

PAGE 1

ALL

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														
50/ 49					.1														6	6															
48/ 47				.0	.1	.1													11	11															
46/ 45				.5	.0														33	33															
44/ 43			.0	.5	.1	.0													46	46															
42/ 41			.4	.5	.1														65	65	13														
40/ 39		.0	.9	.6	.1														105	105	38														
38/ 37		.3	1.3	.4															136	136	86														
36/ 35		.7	1.7	.3															184	184	130	8													
34/ 33		1.4	1.3	.3															202	202	223	40													
32/ 31	.0	1.6	1.6	.2															230	230	232	144													
30/ 29	.2	2.3	1.7	.1															298	298	219	212													
28/ 27	.5	2.6	1.0	.0															280	280	336	242													
26/ 25	.5	3.3	1.0	.0															325	325	345	272													
24/ 23	.1	2.4	.6																215	215	317	226													
22/ 21	.5	3.2	.6																294	294	295	274													
20/ 19	.6	3.9	.3																318	318	297	369													
18/ 17	.5	3.3	.1																259	259	328	247													
16/ 15	.3	3.8	.1																280	281	242	313													
14/ 13	.5	3.2	.1																258	259	241	289													
12/ 11	.4	3.8	.1																292	292	266	282													
10/ 9	.4	3.0	.0																233	234	333	284													
8/ 7	.3	3.6	.0																265	265	236	243													
6/ 5	.3	2.8																	209	209	281	192													
4/ 3	.8	3.4																	283	283	291	244													
2/ 1	1.0	4.4																	366	366	373	264													
0/ -1	2.4	1.5																	262	262	322	200													
-2/ -3	1.0	1.9																	195	195	230	255													
-4/ -5	1.0	2.0																	205	205	149	257													
-6/ -7	1.8	1.4																	216	216	258	219													
-8/ -9	2.6	.0																	180	180	254	159													
-10/-11	2.0																		138	138	138	181													
-12/-13	1.0																		69	69	69	117													
-14/-15	1.4																		95	95	95	206													
-16/-17	1.1																		75	75	75	177													
Element (X)	Σ x'					Σ x					Σ					Σ					Σ					Σ									
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

FREE

STATION

STATION NAME

YEARS

MON

PAGE 2

All

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-82

MAR

STATION

STATION NAME

YEARS

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														
54/ 53			.1															1	1																
52/ 51			.1															1	1																
50/ 49																					1														
48/ 47		.1			.1													2	2	1															
46/ 45																					1	2													
44/ 43			.1															1	1		1														
42/ 41		.2	.4	.2	.1													9	9																
40/ 39		.3	1.3	.9														23	23	5															
38/ 37		.8	2.3	.9														36	36	10	3														
36/ 35	.2	2.2	2.3	.7														49	49	34	3														
34/ 33	.3	2.9	2.1	1.2														60	60	48	17														
32/ 31	.1	6.5	5.4	.7														117	117	75	29														
30/ 29	.2	4.2	4.6	.5														88	88	68	52														
28/ 27		4.7	2.1	.1														63	63	107	68														
26/ 25	.1	2.9	.8	.1														36	36	94	58														
24/ 23	.2	1.4	1.0															24	24	42	53														
22/ 21		5.9	.5															59	59	46	58														
20/ 19	.3	5.4	1.0															62	62	51	89														
18/ 17	.5	2.2	.2															27	27	55	66														
16/ 15	.1	2.9	.3															31	31	29	44														
14/ 13	.2	2.5	.3															28	28	25	45														
12/ 11	.4	2.6																28	28	32	44														
10/ 9	.3	3.4																34	34	37	33														
8/ 7	.3	2.5	.1															27	27	30	34														
6/ 5	.5	2.4																27	27	28	21														
4/ 3	.3	1.7																19	19	22	31														
2/ 1	.1	.8																8	8	15	25														
0/ -1	1.4	.3																16	16	17	25														
-2/ -3		.5																5	5	5	7														
-4/ -5	.8	.3																10	10	11	17														
-6/ -7	.3	.1																4	4	5	12														
-8/ -9	1.0																	9	9	10	15														
-10/ -11	.7																	6	6	6	12														
-12/ -13	.2																	2	2	2	15														
Element (X)	Σ X					Σ X					Σ X					Σ X					Σ X					Σ X									
Rel. Hum.																															Total				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

MAR

PAGE 2 ~~0000-0230~~

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

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														
46/ 45		.3																	3	3															
44/ 43			.1																1	1	3	2													
42/ 41			.3																3	3		1													
40/ 39			.8	.3															10	10	3														
38/ 37		.8	1.4	.3															23	23	1														
36/ 35	.1	2.7	2.4	.5															53	53	21	2													
34/ 33	.3	2.8	1.6	.9															52	52	52	17													
32/ 31	.1	5.2	5.0	.1															96	96	55	28													
30/ 29	.9	5.6	2.7	.4															89	89	75	40													
28/ 27	.1	4.8	2.3																66	66	101	60													
26/ 25		4.8	1.4	.1															58	58	81	61													
24/ 23	.3	2.2	1.1																33	33	63	52													
22/ 21		4.9	.3																48	48	42	56													
20/ 19	.5	4.3	1.1																55	55	52	77													
18/ 17	.3	3.7	.2																39	39	50	61													
16/ 15	.5	3.4	.1																37	37	43	52													
14/ 13	.4	3.0	.4																36	36	31	58													
12/ 11	.5	2.5	.1																29	29	38	38													
10/ 9	1.0	2.1																	28	28	36	37													
8/ 7	.3	1.5																	17	17	21	41													
6/ 5	.5	2.6																	29	29	20	18													
4/ 3	.4	1.8																	21	21	28	29													
2/ 1	.3	2.4																	25	25	26	29													
0/ -1	.4	.7																	10	10	13	23													
-2/ -3	.2	1.2																	13	13	10	12													
-4/ -5	.4	.4																	8	8	13	10													
-6/ -7	.7	.2																	8	8	11	14													
-8/ -9	.7																		6	6	7	15													
-10/-11	1.0																		9	9	9	21													
-12/-13	.4																		4	4	4	9													
-14/-15	.4																		4	4	4	12													
-16/-17	.1																		1	1	1	10													
-18/-19	.4																		4	4	4	11													
-20/-21	.1																		1	1	1	5													
Element (X)	Σ x ¹					Σ x					Σ					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 JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

MAR 1964

PAGE 2 ~~0300-2500~~

[illegible]

PSYCHROMETRIC SUMMARY

<u>727675</u>	<u>MINOT AFB ND</u>
STATION	STATION NAME

73-82

YEARS

MAR

PAGE 1 0600-0800

HOURS 5.9

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														
50/ 49																						1													
46/ 45		.2																2	2																
44/ 43																				2	1														
42/ 41																					1														
40/ 39			.4		.1													5	5																
38/ 37		.9	1.1	.2														20	20	1															
36/ 35	.1	2.6	2.2	.3														48	48	21	1														
34/ 33	.3	2.5	2.0	.9														52	52	43	11														
32/ 31	.2	5.4	4.0	.3														92	92	48	27														
30/ 29	.5	5.1	2.4	.2														76	76	71	38														
28/ 27	.1	5.8	3.4	.3														88	88	100	48														
26/ 25		3.9	1.5															50	50	78	58														
24/ 23	.2	2.3	.8															30	30	70	50														
22/ 21	.5	5.3	1.0															63	63	57	62														
20/ 19	.5	3.4	.7															42	42	50	75														
18/ 17	.1	4.1	.2															41	41	44	66														
16/ 15	.2	3.8	.5															42	42	33	56														
14/ 13	.2	4.1	.3															43	43	37	50														
12/ 11	.3	2.5																26	26	47	43														
10/ 9	.8	1.7	.1															24	24	35	29														
8/ 7	.2	2.4	.2															26	26	16	51														
6/ 5	.4	2.3																25	25	27	29														
4/ 3	.1	1.6																16	16	24	21														
2/ 1	.3	2.7																28	28	20	33														
0/ -1	.3	.5																8	8	19	13														
-2/ -3	.3	1.5																17	17	11	11														
-4/ -5	.5	.8																12	12	17	10														
-6/ -7	1.2	.2																13	13	17	19														
-8/ -9	.9																	8	8	9	15														
-10/ -11	.5																	5	5	5	19														
-12/ -13	.3																	3	3	3	13														
-14/ -15	.7																	6	6	6	18														
Element (X)	Σ X'		Σ X		X		σ _A		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																																			

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

MAR

PAGE 2 ~~0620-0800~~

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

MAR
MONTH

PAGE 1 0900-1100
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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

MAR 1967

PAGE 2 0900-1100
HOURS S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

MAR
MCM

PAGE 1 1200-1400
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														
64/ 63										.1																						2	2		
62/ 61							.1			.1																						3	3		
60/ 59									.2	.3																						5	5		
58/ 57						.1	.3	.3	.5	.1																						13	13		
56/ 55						.2		.3	.3	.1																						9	9		
54/ 53						.4	.2	.7	.2																							14	14		
52/ 51		.1				.7	.5	.5	.1																							18	18	1	
50/ 49						.4	.9	.5	.1																							18	18	4	
48/ 47					.4	.5	1.0	.7																								24	24	7	1
46/ 45					1.0	1.1	.7	.4	.2																							31	31	9	
44/ 43		.3	.4	1.0	.9	.4	.4	.1																								33	33	22	1
42/ 41			.5	1.4	.8	.7	.1																									32	32	30	3
40/ 39		.1	1.5	1.4	1.8	.4	.1																									50	50	33	5
38/ 37		.5	3.1	1.0	1.6	.3																										61	61	57	3
36/ 35	.2	2.2	2.2	1.8	.9	.2																										69	69	54	7
34/ 33	.1	2.3	2.5	1.3	.2																											59	59	82	39
32/ 31		1.7	4.1	1.3	.3																											69	69	76	52
30/ 29		1.7	3.3	.7																												52	52	70	56
28/ 27		1.0	1.6	.5																												29	29	69	54
26/ 25		1.5	1.7	.3																												33	33	51	73
24/ 23		.8	1.2																													18	18	42	43
22/ 21	.1	2.6	2.2																													45	45	41	62
20/ 19	.1	3.0	1.8	.1																												47	47	32	77
18/ 17		1.5	.9																													22	22	46	58
16/ 15		1.8	2.0																													35	35	24	50
14/ 13		1.8	1.2																													28	28	32	41
12/ 11		2.7	.4																													29	29	33	50
10/ 9		1.1	.1																													11	11	29	30
8/ 7		2.0																														18	18	16	42
6/ 5		.9																														8	8	19	12
4/ 3	.1	.8																														8	8	8	22
2/ 1	.1	1.1																														11	11	9	35
0/ -1		.2																														2	2	6	21
-2/ -3	.1	.7																														7	7	5	20
Element (X)	Σ x'					Σ x					Σ					Σ					Σ					Σ					Σ				
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

MAR

STATION

STATION NAME

YEARS

44-38861-100

PAGE 2 1200-1400

[illegible]

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

MAR

STATION

STATION NAME

YEARS

PAGE 1 1500-1700

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							2	2																
66/ 65										.1								1	1																
64/ 63										.2								2	2																
62/ 61					.1	.7		.1	.1	.2								11	11																
60/ 59						.2		.4	.3									9	9																
58/ 57						.2		.4										6	6																
56/ 55						.1	1.2	.9	.3									23	23																
54/ 53						.5	.5											10	10	3															
52/ 51							1.3	.1										13	13	5															
50/ 49				.5	1.2	.7	1.3	.3										37	37	3															
48/ 47				.4	.8	1.3	.7	.2										31	31	5	1														
46/ 45		.3		.9	1.0	1.1	.7	.2										38	38	11	2														
44/ 43			.1	.8	1.1	1.6	.4											37	37	37	4														
42/ 41			.8	1.3	1.1	.8	.1											37	37	43	4														
40/ 39		.3	2.2	1.6	.9	.3												49	49	24	2														
38/ 37		1.4	2.1	2.1	1.6	.1												67	67	53	3														
36/ 35		2.4	2.4	1.5	.5	.3												66	66	86	8														
34/ 33		1.1	2.2	.9	.8													45	45	82	28														
32/ 31		1.1	4.3	1.0														59	59	78	81														
30/ 29		1.5	3.1	.9	.1													52	52	48	45														
28/ 27	.3	1.4	1.1	.5	.2													33	33	70	68														
26/ 25		1.7	1.2	.2														29	29	57	73														
24/ 23		1.1	1.1	.3														23	23	45	42														
22/ 21	.1	2.1	1.8	.4														41	41	29	55														
20/ 19		3.3	1.5															44	44	31	94														
18/ 17		2.0	1.2	.1														30	30	55	61														
16/ 15		1.6	1.7															31	31	27	49														
14/ 13		1.6	.7															21	21	26	33														
12/ 11		1.0	.3															12	12	28	41														
10/ 9	.1	2.3	.1															23	23	18	43														
8/ 7	.1	.9																9	9	21	30														
6/ 5	.2	.4																6	6	9	21														
4/ 3		.8																7	7	10	28														
2/ 1		.8																7	7	2	34														
Element (X)	Σx'		Σx		Σ		Σ		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																																			

PSYCHROMETRIC SUMMARY

MAR

PAGE 2 1500-1700

[illegible]

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

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

MAR

PAGE 1 1000-2000

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		
62/ 61							.1			.1				.1																		2	2			
60/ 59				.1					.1																							2	2			
58/ 57					.1				.2	.1																						4	4			
56/ 55			.1	.1				.2		.1																						5	5			
54/ 53						.1	.3	.3																								7	7	1		
52/ 51			.2	.1	.1	.3	.2																									9	9	2		
50/ 49					.7	.2	.1																									9	9	2		
48/ 47			.1	.3	.7	.3	.1																									14	14	3	2	
46/ 45				.5	.8	.5	.1	.1																								19	19	5	1	
44/ 43			.8	1.4	1.1	.9	.2																									40	40	7	3	
42/ 41		.1	.9	1.1	.8	.4	.1																									31	31	14	2	
40/ 39		.7	2.0	1.8	1.0	.2																										52	52	37	1	
38/ 37		1.5	3.0	1.8	.7	.1																										66	66	42	7	
36/ 35	.1	2.8	2.5	2.2	.3																											73	73	66	7	
34/ 33	.2	2.0	3.0	2.2	.3																											71	71	95	29	
32/ 31		2.5	3.9	1.4	.3																											75	75	75	73	
30/ 29		2.7	2.3	.5	.2																											53	53	77	58	
28/ 27	.2	2.4	2.4	.4																												50	50	73	53	
26/ 25		2.5	.8	.2																												32	32	65	77	
24/ 23		1.7	.9	.1																												25	25	53	54	
22/ 21		2.3	2.0	.1																												40	40	22	57	
20/ 19		3.3	1.8																													47	47	35	84	
18/ 17		2.9	.4																													31	31	62	63	
16/ 15	.1	1.4	1.0																													23	23	31	45	
14/ 13	.1	2.2	.4																													25	25	15	35	
12/ 11		2.0	.1																													19	19	29	32	
10/ 9	.1	2.1	.1																													21	21	18	42	
8/ 7	.3	2.0	.1																													22	22	28	35	
6/ 5	.3	1.0																														12	12	18	20	
4/ 3	.4	1.3																														16	16	19	25	
2/ 1		.4																														4	4	7	35	
0/ -1	.3	.3																														6	6	5	13	
-2/ -3	.1	.4																																		

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

MAR

PAGE 2 1800-2000

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			.3															3	3	4	16														
-6/-7			.2															2	2	2	16														
-8/-9		.2																2	2	3	7														
-10/-11		.1																1	1	1	5														
-12/-13		.1																1	1	1															
-14/-15																																			
-16/-17																																			
-18/-19																																			
-20/-21																																			
TOTAL	2.8	41.0	28.8	14.6	7.0	3.1	1.4	.8	.3	.1									921		920														
																			920	920	920														

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

PSYCHROMETRIC SUMMARY

73-82

MAR

2100-2300

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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

13-a2

MAR

PAGE 2 2100-2310

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

MAR

PAGE 1

ALL

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	2		
66/ 65																																		2	2		
64/ 63																																		4	4		
62/ 61																																		16	16		
60/ 59																																		16	16		
58/ 57																																		24	24		
56/ 55																																		40	40		
54/ 53																																		36	36		4
52/ 51																																		46	46		9
50/ 49																																		75	75		11
48/ 47																																		86	86		19
46/ 45																																		111	111		32
44/ 43																																		137	137		78
42/ 41																																		152	152		102
40/ 39																																		255	255		126
38/ 37																																		382	382		203
36/ 35																																		469	469		386
34/ 33																																		496	496		531
32/ 31																																		692	692		573
30/ 29																																		558	558		555
28/ 27																																		430	430		704
26/ 25																																		329	329		562
24/ 23																																		215	215		438
22/ 21																																		367	367		320
20/ 19																																		391	391		321
18/ 17																																		263	263		423
16/ 15																																		257	257		259
14/ 13																																		243	244		219
12/ 11																																		190	190		268
10/ 9																																		187	187		222
8/ 7																																		178	178		185
6/ 5																																		145	145		184
4/ 3																																		114	114		144
2/ 1																																		111	111		113
Element (X)	Σ x ²			Σ x			Σ			Σ _s			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.																Σ 0 F Σ 32 F Σ 67 F Σ 73 F Σ 80 F Σ 93 F																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

727675

MINOT AFB ND

73-42

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS IN MONTH

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	.5	.4																69	69	92	150														
-2/-3	.2	.7																67	67	58	111														
-4/-5	.3	.4																53	53	67	110														
-6/-7	.4	.2																40	40	52	113														
-8/-9	.5																	37	37	45	100														
-10/-11	.3																	24	24	24	94														
-12/-13	.2																	15	15	15	61														
-14/-15	.1																	11	11	11	70														
-16/-17	.1																	5	5	5	55														
-18/-19	.2																	16	16	16	47														
-20/-21	.1																	5	5	5	36														
-22/-23	.0																	2	2	2	20														
-24/-25																					16														
-26/-27																					16														
-28/-29																					5														
-30/-31																					2														
-32/-33																					2														
-34/-35																					1														
TOTAL	6.3	49.5	26.3	8.9	4.0	2.5	1.4	.7	.2	.1	.0											7363													
																		7363			7363														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

APR
MONTH

PAGE 1 0000-0200
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																								
66/ 65																																		3	3										
64/ 63					.1		.1			.1																							2	2											
62/ 61				.1				.1		.1																							3	3											
60/ 59					.1			.1	.1	.2																							5	5											
58/ 57			.2	.1				.3																									6	6	1										
56/ 55			.3		.2	.1		.1	.1																							8	8	2											
54/ 53			.3	.6	.3			.6	.2																							18	18	3	1										
52/ 51			.5	.5	.2	.6		.1																								16	16	8	3										
50/ 49		.1	.5	.1	.8	1.0		.2																								24	24	2	2										
48/ 47		.3	1.1	.6	.6	.3	.1																									27	27	18	5										
46/ 45		.6	1.5	.7	1.5	.7																										43	43	19	4										
44/ 43		2.1	1.8	1.3	1.3	.8																										63	63	32	12										
42/ 41		1.6	1.4	1.4	1.0	1.0																										56	57	49	16										
40/ 39		1.0	4.5	1.6	.8																											69	71	53	31										
38/ 37		4.2	2.2	1.4	.5																											72	77	69	36										
36/ 35		3.4	2.4	.9	.2																											61	64	88	31										
34/ 33	.1	5.1	3.9	.7																												86	93	93	60										
32/ 31	.3	5.6	4.1	.9	.1																											97	100	98	82										
30/ 29	.6	5.0	1.9	.3																												69	71	88	86										
28/ 27	.1	1.7	1.3	.2																												29	30	86	75										
26/ 25		1.8	.7																													22	22	43	100										
24/ 23	.1	.8	.7																													14	14	25	52										
22/ 21		1.8	.5																													20	20	16	68										
20/ 19	.2	1.6	.6																													21	21	27	54										
18/ 17		.7	.2																													8	8	13	32										
16/ 15		.6	.2																													7	7	8	33										
14/ 13		.6																														5	5	6	20										
12/ 11		.3																														3	3	7	19										
10/ 9																																			3	10									
8/ 7																																				14									
6/ 5																																				4									
4/ 3		.3																														3	3	2	1										
2/ 1		.1																														1	1	1	9										
0/ -1	.3	.1																														4	4	4	1										
Element (X)	Σ X'					Σ X					Σ					Σ _a					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																																													

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

APR

PAGE 2 0000-0200

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

APR
MONTH

PAGE 1 0300-0500
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														
66/ 65											.1							1													1				
62/ 61										.1								1													1				
60/ 59						.1												1													1				
58/ 57			.2	.1	.2		.1											6												6					
54/ 53			.1	.5	.2	.2	.2											11												11	2				
52/ 51			.2		.6	.1	.1											9												9	3				
50/ 49			1.0	1.0	.3	.3												24												24	3				
48/ 47		.6	.6	.3	.9	.3												24												24	9				
46/ 45		.6	.8	1.1	.7	.1												29												29	19				
44/ 43		1.1	2.5	.2	1.4	.8												53												53	23				
42/ 41		2.3	1.7	1.0	1.4	.5												60												60	41				
40/ 39		1.5	3.0	1.4	.1													52												52	22				
38/ 37		3.2	2.7	1.6	.6													71												76	58				
36/ 35		3.3	2.5	.8	.1													59												62	75				
34/ 33		6.1	3.8	.9														94												99	88				
32/ 31	.5	6.2	4.3	.6														101												109	101				
30/ 29	.5	6.5	2.1	.2														81												83	89				
28/ 27	.1	4.3	1.1															49												50	96				
26/ 25	.3	3.0	.9	.1														38												38	68				
24/ 23		1.0	.1															10												10	33				
22/ 21		1.7	1.1															25												25	17				
20/ 19		1.7	.2															17												17	27				
18/ 17		1.0	.1															10												10	16				
16/ 15		.6	.1															6												6	29				
14/ 13		1.5																13												13	7				
12/ 11		.8																7												7	13				
10/ 9		.3																3												3	8				
8/ 7		.3																3												3	1				
6/ 5																															3	12			
4/ 3																																9			
2/ 1		.2																2												2	5				
0/ -1		.1																1												1	2				
-2/ -3		.8																7												7	5				
-4/ -5	.1	.2																3												3	4				
Element (X)	ΣX^2					ΣX					$\bar{X}$					σ^2					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																										≤ 0 F					≤ 32 F				
Dry Bulb																										≥ 67 F					≥ 73 F				
Wet Bulb																										≥ 80 F					≥ 93 F				
Dew Point																																			

PSYCHROMETRIC SUMMARY

APR

0330-3533

[illegible]

PSYCHROMETRIC SUMMARY

ADR

YEARS

0600-0800

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

APR

PAGE 2

2623-2823

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																	2	2		3																
-4/-5			.2																	2	2	2	3																
-6/-7		.3																		3	3	5	3																
-8/-9																							1																
-10/-11		.2																		2	2	2	2																
-16/-17																							5																
-18/-19																							2																
-20/-21																							1																
-22/-23																							1																
TOTAL	1.6	4.7	30.9	11.5	6.9	3.1	.9	.5	.1	.2										875	899		875																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

APR

STATION

STATION NAME

YEARS

PAGE 1

0920-1100

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	.1																2	2				
80/ 79													.2																			3	3				
78/ 77												.2																				3	3				
76/ 75												.2		.2	.1																5	5					
74/ 73									.1	.1	.5	.2	.1																		9	9					
72/ 71							.1				.1	.2	.1																		5	5					
70/ 69							.1				.1	.5																			6	6					
68/ 67							.1			.5	.5	.3																			12	12					
66/ 65							.1	.1	.1	.3	.7	.1																			13	13					
64/ 63				.1			.1	.6	.3	.2																					12	12					
62/ 61					.1		.2	.7	.2	.8																					16	19					
60/ 59			.1	.1	.1	.5	.8	.9	.2																						24	24	5				
58/ 57				.1	.7	.9	.8	.3	.2	.1																					28	28	4				
56/ 55				.2	.7	.7	1.1	.9	.2																						34	34	8				
54/ 53			.1	.7	.7	.9	.8	.7	.1																						35	35	16				
52/ 51			.2	1.1	.8	.7	1.0	.2																							36	36	21	4			
50/ 49		.1	.2	1.4	1.6	.9	1.4	.5																							53	53	46	1			
48/ 47		.2	1.3	.7	1.9	.6	.7																								47	47	42	3			
46/ 45		.5	.8	1.8	2.4	.9	.1																								57	58	47	8			
44/ 43		.6	1.4	1.4	1.9	.2	.2																								50	52	55	19			
42/ 41		.6	1.7	1.9	.7	.6	.1																								49	52	65	20			
40/ 39			1.8	1.9	.6	.2																									40	44	78	44			
38/ 37		1.5	2.4	1.5	.7	.1																									54	60	65	47			
36/ 35		2.6	1.8	1.3	.3	.2																									55	60	79	35			
34/ 33		2.1	1.8	.8	.2																										43	47	65	70			
32/ 31		3.3	2.2	.5	.2																										54	54	68	89			
30/ 29		1.9	2.4	.3																											41	41	50	99			
28/ 27		.6	1.4	.1																											18	18	46	62			
26/ 25	.1	.7	.8																												14	14	36	73			
24/ 23		.2	.6																												7	7	20	46			
22/ 21		.2	.1																												3	3	8	43			
20/ 19		.8	.3																												10	10	7	52			
18/ 17		.7	.2																												8	8	10	32			
16/ 15		.2																													2	2	5	31			
Element (X)	Σ x ¹					Σ x					Σ					Σ _n					No. Obs.					Mean No. of Hours with Temperature											
Rel. Hum.																										≤ 0 F					≤ 32 F						
Dry Bulb																										≤ 67 F					≤ 73 F						
Wet Bulb																										≤ 80 F					≤ 93 F						
Dew Point																																					
																																		Total			

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

727675 MINOT AFB ND

73-82

APR

PAGE 2 0900-1100

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

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PAGE 1 1220-14LC

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													
96/ 95																		.1	1	1															
94/ 93																		.1	1	1															
92/ 89																		.3	.1	4	4														
88/ 87																		.1	.1	2	2														
86/ 85																		.2		2	2														
84/ 83															.2	.2		.1		5	5														
82/ 81															.3	.5				7	7														
80/ 79											.2	.1	.1	.5	.1					9	9														
78/ 77													.2							2	2														
76/ 75									.1			.3	.3	.1						8	8														
74/ 73								.1		.1	.6	.6								12	12														
72/ 71								.2	.1	.3	.2	.5								14	14														
70/ 69								.1	.2	.5	.7	.6	.6							23	23														
68/ 67					.1	.1	.2	1.1	.9	.7	.2	.1								31	32														
66/ 65							.5	.5	.8	.2	.5									21	21														
64/ 63					.1	.1	.8	.1	.7	.6	.1									22	23														
62/ 61						.3	.5	.8	1.0	.9										31	32	3													
60/ 59					.1	.5	1.0	1.4	.1	.6	.1									33	33	12													
58/ 57			.1	.2	.1	1.0	1.4	1.3	.6											41	41	6													
56/ 55				.3	.5	.9	1.3	.5												32	32	22													
54/ 53			.2	.2	.8	1.4	1.5	1.4	.5											52	52	43													
52/ 51		.1	.2	.5	.8	1.4	2.2	.9												53	54	37													
50/ 49		.1	.7	.6	2.1	1.5	.7	.5												53	54	39													
48/ 47			.6	1.0	1.8	.3	.3	.1												37	38	53													
46/ 45		.5	.5	1.5	1.5	.9	.5	.1												47	53	60													
44/ 43		1.0	.3	.9	.8	.7	.2													35	40	66													
42/ 41		.3	.6	1.3	1.0	.3	.3													34	38	91													
40/ 39		.5	1.7	1.1	.9	.3	.2													42	45	85													
38/ 37		1.6	.8	.7	.2	.1														30	30	46													
36/ 35		.9	.9	.6	.3	.1														25	31	63													
34/ 33		1.1	2.0	1.0		.3														39	39	44													
32/ 31		3.0	1.8	.7	.1															49	49	48													
30/ 29		.1	1.8	.1																18	18	39													
28/ 27		.3	1.1	.1																14	14	35													
Element (X)	Σ X'			Σ X			Σ			Σ			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																																			

PSYCHROMETRIC SUMMARY

APR

YEARS

PAGE 2 1200-1400

[illegible]

PSYCHROMETRIC SUMMARY

73-62

APR

PAGE 1 1500-1700

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																		.7	6	6																
90/ 89																		.2	2	2																
88/ 87																		.3	3	3																
86/ 85																	.1		1	1																
84/ 83																			5	5																
82/ 81															.6	.3			8	8																
80/ 79											.1	.1			.3	.2			7	7																
78/ 77										.1	.2	.2	1.0	.2					16	16																
76/ 75										.1		.2	.8	.1					11	11																
74/ 73										.1	.2	.3	.8						13	13																
72/ 71									.1	.7	.2	.5							13	13																
70/ 69							.5	.5	.7	.7	1.0	.6							34	34																
68/ 67							.2	.5	.5	.7	.8	.5	.1						28	28																
66/ 65							.1	.2	.3	1.1	1.0	.2							27	27																
64/ 63				.1	.2	.1	.2	.6	1.0	.9	.2								30	30																
62/ 61				.1	.7	.2	1.3	1.5	.7	.6									44	44	1															
60/ 59		.1	.2	.2	.5	.1	.9	.5	.6	.1									28	28	12															
58/ 57			.1	.2	.6	.5	1.6	1.4											38	38	18															
56/ 55			.1	.7	.6	1.4	1.5	1.4											49	49	32															
54/ 53			.8	.6	.3	1.0	1.1	.7											40	40	49															
52/ 51		.3	1.0	.9	.7	1.8	.8	.3											52	52	30															
50/ 49			.3	.5	1.7	1.3	.8	.5											44	46	43															
48/ 47		.3	.3	.7	1.0	.8	.7	.6											39	46	71															
46/ 45		.1	.9	.7	.9	.7	.9												37	39	67															
44/ 43		.7	.7	.9	1.1	.7	.3												39	45	73															
42/ 41		.5	1.1	1.0	.2	.3	.3												31	34	82															
40/ 39		.1	1.9	1.1		.2	.2												32	33	65															
38/ 37		1.7	.5	.1	.8		.2												29	33	52															
36/ 35		.3	1.5	.6	.2	.1													24	26	72															
34/ 33		1.9	1.3	1.0	.2														39	39	26															
32/ 31	.3	1.9	1.7	.2															37	37	51															
30/ 29		.5	1.6	.3															21	21	37															
28/ 27			1.0	.2															11	11	26															
Element (X)	Σ x'			Σ x			Σ			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																																				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1500-1700

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															
26/ 25			.6															5	5	22	71															
24/ 23		.1	.2															3	3	11	37															
22/ 21		.2	.3															5	5	8	53															
20/ 19		.3	.3															6	6	6	66															
18/ 17		.3																3	3	7	30															
16/ 15			.2															2	2	2	35															
14/ 13			.2															2	2		27															
12/ 11		.3	.2															5	5	3	23															
10/ 9		.2																2	2	6	7															
8/ 7		.1																1	1	2	6															
6/ 5																					1	3														
4/ 3																						2														
2/ 1																						3														
0/ -1																						2														
-2/ -3																						10														
-4/ -5																						1														
-6/ -7																						2														
TOTAL	.3	9.9	15.6	10.0	9.2	7.6	9.6	10.1	8.4	5.8	4.7	3.1	1.9	1.3	1.1	1.1	1.4			900	873															
																		873		873																

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

APR

STATION

STATION NAME

YEARS

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PAGE 1 1800-2000

1600-2000
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

APR

PAGE 2 1800-2000

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-02

APR

STATION

STATION NAME

YEARS

PAGE 1 2100-2300

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																																	
70/ 69								.1	.1		.2							4			4																																		
68/ 67						.1	.1											2			2																																		
66/ 65					.1			.1		.2								4			4																																		
64/ 63				.1					.7	.2								9			9																																		
62/ 61			.1					.2	.1	.3	.1							8			8																																		
60/ 59			.2	.1				.1	.6	.6								14			14																																		
58/ 57			.1	.3	.2	.7	.2	.7	.1									21			21	4																																	
56/ 55				.3	.6	.3	.7	.3	.2									22			22	4																																	
54/ 53				.6	.6	.6	1.0	.2										26			26	6																																	
52/ 51			.5	.7	.3	.7	.8	.3										29			29	3																																	
50/ 49		.1	1.3	.8	.9	.7	.5											37			37	12																																	
48/ 47		.6	1.1	.9	1.6	1.1	.1	.1										49			50	31																																	
46/ 45		.6	1.0	1.8	1.0	1.5	.3											55			56	49																																	
44/ 43		1.9	1.6	1.4	.8	1.1												60			62	46																																	
42/ 41		.8	3.2	1.8	1.1	.1	.2											64			66	65																																	
40/ 39		1.8	3.4	1.6	.5	.2												66			72	73																																	
38/ 37		3.1	2.2	1.4	1.0													67			70	80																																	
36/ 35		2.2	3.3	.9	.6													61			64	94																																	
34/ 33		3.0	3.0	1.0	.3													64			71	74																																	
32/ 31	.1	4.8	3.4	.8	.5													84			84	83																																	
30/ 29	.5	1.6	1.5	.2	.1													34			36	83																																	
28/ 27	.1	.6	.9	.2	.1													17			17	52																																	
26/ 25		1.0	.7	.1														16			16	24																																	
24/ 23		.6	.6															10			10	20																																	
22/ 21		.7	.7															12			12	20																																	
20/ 19		1.0	.3															12			12	12																																	
18/ 17		.6	.2															7			7	13																																	
16/ 15																					5	28																																	
14/ 13		.3																3			3	1																																	
12/ 11		.1																1			1	3																																	
10/ 9																					1	10																																	
8/ 7																						8																																	
6/ 5		.1																1			1	3																																	
4/ 3		.5																4			4	3																																	
Element (X)	Σ X'					Σ X					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 JUN 71

PSYCHROMETRIC SUMMARY

APR
MON 11

PAGE 2 2100-2300

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

APR
MONTH

PAGE 1

ALL
MOON

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																																	
96/ 95																		.0	1	1																																			
94/ 93																		.0	2	2																																			
92/ 91																		.1	6	6																																			
90/ 89																		.1	8	8																																			
88/ 87																		.0	6	6																																			
86/ 85																		.0	6	6																																			
84/ 83																		.0	6	6																																			
82/ 81																		.1	13	13																																			
80/ 79																		.1	18	18																																			
78/ 77																		.1	21	21																																			
76/ 75																		.2	24	24																																			
74/ 73																		.1	34	34																																			
72/ 71																		.0	39	39																																			
70/ 69																		.0	45	45																																			
68/ 67																		.1	81	81																																			
66/ 65																		.0	92	93																																			
64/ 63																		.0	91	91																																			
62/ 61																		.1	100	101																																			
60/ 59																		.1	143	145	4																																		
58/ 57																		.1	141	141	36																																		
56/ 55																		.1	173	173	42																																		
54/ 53																		.1	200	200	78																																		
52/ 51																		.2	237	237	141	5																																	
50/ 49																		.2	251	252	147	25																																	
48/ 47																		.2	310	322	195	18																																	
46/ 45																		.2	294	306	286	29																																	
44/ 43																		.2	359	374	348	49																																	
42/ 41																		.2	390	407	403	132																																	
40/ 39																		.2	393	410	521	187																																	
38/ 37																		.2	401	420	528	240																																	
36/ 35																		.2	424	456	487	334																																	
34/ 33																		.2	404	431	606	309																																	
32/ 31																		.2	470	507	554	471																																	
30/ 29																		.2	576	592	599	666																																	
Element (X)	Σ x					Σ x					Σ x					Σ x					Σ x					Σ x					Σ x					Σ x					Σ x					Σ x									
Rel. Hum.																																																							
Dry Bulb																																																							
Wet Bulb																																																							
Dew Point																																																							

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB NO

73-82

APR

PAGE 2

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200
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														
75/ 77						.1	.1											2		2															
76/ 75						.1						.2						3		3															
74/ 73							.1			.1	.1							3		3															
72/ 71							.1		.2									3		3															
70/ 69					.1	.1	.2	.2										6		6															
68/ 67				.1	.1	.2	.2	.3										9		9	2														
66/ 65			.1	.3	.5	.3	.1	.1	.1									14		14	1														
64/ 63			.1	.8	.6	.1	.1	.1	.2									18		18	1														
62/ 61			.7	1.1	.6	.2	.2	.5										29		29	5														
60/ 59			1.1	.5	.8	1.0	.5	.1										35		35	10														
58/ 57		.3	1.2	1.5	.5	.7	.9	.5										49		49	23														
56/ 55		.3	1.1	1.8	2.2	1.1	.6											63		65	38														
54/ 53		.5	2.5	2.2	1.5	1.0	.5	.1										72		72	31														
52/ 51		1.1	3.4	1.8	1.9	.7	.9	.1										88		89	39														
50/ 49		.6	5.6	2.6	1.5	.9	.6											103		103	82														
48/ 47		.3	3.1	1.9	1.9	.6												69		69	94														
46/ 45		.3	2.2	2.6	1.0	.8	.2											63		63	98														
44/ 43		.9	3.6	1.8	1.1	.2												68		71	80														
42/ 41		.7	2.4	2.0	.2	.1												48		54	69														
40/ 39		1.0	1.7	.8	.2													33		36	91														
38/ 37		1.0	.9	.9	.1	.1												27		31	73														
36/ 35		.9	.6	.8														20		30	40														
34/ 33		.9	1.0	1.1	.1													28		39	28														
32/ 31			1.5	.1	.1													15		18	25														
30/ 29		.2	.3															5		9	15														
28/ 27		.1	.7															7		9	23														
26/ 25		.1																1		1	9														
24/ 23																					4														
22/ 21																																			
20/ 19																																			
18/ 17																																			
16/ 15																																			
14/ 13																																			
12/ 11																																			
Element (X)	Σ X ²					Σ X					Σ					Σ					Σ					Σ									
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-62

MAY

PAGE 2

1000-3219

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1322-0522

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					.1													1	1																
72/ 71					.1					.1								2	2																
70/ 69				.1														1	1																
68/ 67				.2	.1			.1	.1									5	5																
66/ 65			.1	.2	.5			.1										8	8	2															
64/ 63			.1	.2	.5	.1	.2											10	10	1															
62/ 61			.2	.8	.1	.3	.2	.2										17	17	4	3														
60/ 59			.8	.8	.5	.6	.6	.3										31	31	6															
58/ 57		.2	1.4	.6	.7	.5	.1											30	30	9	6														
56/ 55		.5	1.8	1.3	.8	.5	.2											44	45	19	6														
54/ 53		.3	2.2	1.6	1.6	.8	.1	.1										59	60	33	14														
52/ 51		1.7	4.7	2.4	1.1	.3	.6											95	96	37	20														
50/ 49		.8	5.6	1.0	.8	1.0	.3											84	84	68	33														
48/ 47		1.8	3.4	1.3	1.1	.7												73	73	85	38														
46/ 45		1.3	3.9	1.6	1.4	.2												73	73	101	56														
44/ 43		1.8	3.5	1.6	1.8	.2												79	81	67	65														
42/ 41		1.1	3.9	2.5	.1													67	71	71	72														
40/ 39	.1	1.0	3.9	1.8	.1	.1												62	64	88	67														
38/ 37		1.3	1.8	.9														35	42	83	71														
36/ 35		1.1	.7	.3														19	26	72	68														
34/ 33	.1	.7	1.1	1.0	.3													29	43	33	68														
32/ 31	.1	.1	2.2	.2														23	29	23	69														
30/ 29		.8	1.4															19	22	15	54														
28/ 27		.3	.5															7	8	37	33														
26/ 25		.2	.3															5	7	18	33														
24/ 23		.1																1	1	5	24														
22/ 21																				2	28														
20/ 19																					31														
18/ 17																					3														
16/ 15																					12														
14/ 13																					3														
12/ 11																					2														
TOTAL	.3	15.2	43.3	20.5	11.7	5.3	2.4	.9	.1	.1									879	930	879														
Element (X)	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	No. Obs.	Mean No. of Hours with Temperature						Total																	
Rel. Hum.	4280109	60215	68.5	13.293	879	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																							
Dry Bulb	2051875	42907	46.1	8.821	930		5.7	.9	.1			93																							
Wet Bulb	1607647	36959	42.0	7.817	879		10.6					93																							
Dew Point	1242350	32022	36.4	9.291	879		30.9					93																							

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

727575 MINOT AFB ND STATION NAME

73-82 YEARS

MAY MONTH

PAGE 1 0600-0800 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																	
76/ 77						.1														1		1																	
76/ 75										.2	.1									3		3																	
74/ 73					.1	.1		.1												3		3																	
72/ 71				.1		.1		.2				.1								5		5																	
70/ 69					.2	.1	.2	.2	.1	.1										9		9																	
68/ 67				.2	.2	.3	.6	.1		.1										14		14		1															
66/ 65			.1	.9	.3	.2	.3	.2	.1	.1										20		20		2															
64/ 63			.1	.5	.3	.5	.2	.2	.2	.1										19		19		4															
62/ 61			.8	.8	1.7	.6	.3	.5												41		41		6		3													
60/ 59		.2	.7	1.2	1.4	1.0	.6	.1												46		47		13		1													
58/ 57		.1	.9	.9	.9	.3	1.1	.3												41		41		28		11													
56/ 55		.2	2.0	1.7	1.2	.8	.9	.2												63		64		29		13													
54/ 53		1.0	1.5	1.9	.9	.9	.6													60		60		52		16													
52/ 51		1.0	4.5	1.8	1.8	.7	.1	.1												89		90		57		26													
50/ 49	.1	1.6	4.1	2.2	1.8	.9	.2													96		96		71		40													
48/ 47		.9	2.4	1.6	1.1	.5														57		59		102		55													
46/ 45		.3	3.0	1.6	1.2	.2														56		60		89		73													
44/ 43		1.2	2.6	2.2	1.0	.2														64		68		69		68													
42/ 41		1.9	2.6	1.8	.2															58		61		72		69													
40/ 39	.1	1.0	1.9	1.6	.6															46		48		78		60													
38/ 37	.1	.5	1.6	.5	.2															25		28		70		62													
36/ 35		.8	.8	.9																20		26		41		79													
34/ 33		.5	1.4	.3																19		27		31		54													
32/ 31		.3	.7	.3																12		22		23		66													
30/ 29		.5	.5																	8		12		18		49													
28/ 27		.2																		2		2		14		38													
26/ 25		.2																		2		3		7		33													
24/ 23																							2		15														
22/ 21		.1																		1		1		23															
20/ 19																							1		7														
18/ 17																										14													
16/ 15																										4													
14/ 13																										1													
Element (X)	Σ X ²			Σ X			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ		
Rel. Hum.																																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

MAY

PAGE 2 2600-2800

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PSYCHROMETRIC SUMMARY

YEARS

MAY

PAGE 1 3900-1143

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	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
90/ 89															.1	.1		2	2																
88/ 87										.1						.2		3	3																
86/ 85									.1					.1				2	2																
84/ 83									.2	.1		.1				.1		5	5																
82/ 81								.1	.1	.1	.1	.2	.2	.1	.1			9	9																
80/ 79						.1	.1	.2	.2	.5	.2	.2	.2	.2	.2			18	18																
78/ 77							.3	.2	.3	.1	.2	.1			.1			13	13																
76/ 75							.2	.5	.7	.9	.2	.5	.2					27	27																
74/ 73					.1	.3	.5	.1	.3	.6	.5	.2						23	23																
72/ 71					.1	.5	.7	1.0	.9	.5	.5							36	36	1															
70/ 69					.5	.5	.8	1.5	.5	.6	.3							40	40	4															
68/ 67				.1	.3	.8	1.6	.8	1.0	1.2	.1							51	51	4															
66/ 65				.3	1.0	1.8	1.9	1.2	1.1	.7								72	72	7	2														
64/ 63			.6	.6	.7	1.4	1.6	.6	1.7	.2	.1							59	59	15															
62/ 61			.5	.3	.8	1.5	.9	1.0	.3	.1								48	49	27	3														
60/ 59			.5	.5	1.1	1.2	1.4	1.0	.3									53	54	44	13														
58/ 57		.2	.6	.7	.8	1.5	.9	.7	.3	.1								51	52	64	15														
56/ 55		.1	.8	.9	1.6	1.7	1.2	.7	.1									63	69	81	19														
54/ 53		.2	1.0	1.4	1.2	1.0	.8	.3										53	54	68	24														
52/ 51		.8	.8	1.1	.5	1.4	.7	.1										47	50	85	28														
50/ 49		.2	1.7	1.1	1.5	1.1	.6	.1										56	58	79	34														
48/ 47		.3	1.2	.5	.2	.5	.3											27	29	82	53														
46/ 45		.3	1.9	.6	.9	.2	.3											38	39	81	73														
44/ 43		.7	.7	.9	.5	.5	.1											29	29	51	66														
42/ 41	1.0	.6	.5		.3													26	27	62	55														
40/ 39	.2	.5		.1	.1													8	12	48	78														
38/ 37	.3	.2	.7	.3														14	24	22	72														
36/ 35	.2	.1	.3															6	8	24	61														
34/ 33			.2															2	11	11	55														
32/ 31			.1															1	5	15	61														
30/ 29																				4	36														
28/ 27																				3	25														
26/ 25																					25														
24/ 23																					14														
Element (X)	Σ x'		Σ x		Σ		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																																			

PSYCHROMETRIC SUMMARY

1944-1945

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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

MAY

PAGE 1 1233-1400

USAFETAC FORM 0-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71)

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																	.2	2	2																
96/ 95														.1				1	1																
94/ 93															.1	.1	.1	3	3																
92/ 91											.1					.1		2	2																
90/ 89											.2	.1	.1	.2		.1	.3	10	10																
88/ 87									.1		.2	.5	.1			.1		9	9																
86/ 85										.1		.6	.1	.3	.5	.1		15	15																
84/ 83									.1	.3	.1	.9	.6	.3	.1			22	22																
82/ 81								.1	.3	.6	.6		.2	.5	.1			21	21																
80/ 79								.2	.5	.2	.6	.6	.6	.1				24	24																
78/ 77						.1		.3	.7	1.1	.9	.5	.5					36	36																
76/ 75					.1	.1	.3	.5	.5	1.5	.9	.9	.1					43	43																
74/ 73					.5	.1	.6	1.5	.8	1.1	.9							48	48	1															
72/ 71					.3	.1	.7	1.7	1.4	1.7	.9	.7						66	66	2															
70/ 69					.2	.9	.7	1.6	1.7	.6			.1					45	45	4															
68/ 67					.2	.3	1.1	1.1	1.4	1.7	.3							55	55	13															
66/ 65			.2	.1	.5	.3	1.0	1.0	1.0	1.2	.2							50	50	16	2														
64/ 63			.1	.1		.3	1.0	1.6	.8	1.3	.1							45	45	33	1														
62/ 61			.2	.8	.3	.5	1.2	1.9	.8	.2	.2							55	58	32	3														
60/ 59			.1	.6	.7	.5	1.7	.8	.5	.2								44	51	57	8														
58/ 57			.7	.8	.9	.7	1.0	.7	.8									49	50	82	17														
56/ 55		.2	.6	.2	.5	.9	.8	.7	.3									37	37	80	11														
54/ 53		.5	.5	.7	2.0	.5	.2	.5	.1									43	45	84	26														
52/ 51		.1	.5	1.4	.7	.2	.3	.9										36	37	78	27														
50/ 49			1.1	1.1	.2	.2	.6	.3										32	34	85	47														
48/ 47		.3	.6	.6	.5	.3	.1											21	22	74	54														
46/ 45		.5	.6	.8	.3	.6												24	24	96	49														
44/ 43		.1	.3	.6	.1	.7												16	19	40	52														
42/ 41		.7	.1	.2	.3	.2												14	19	31	81														
40/ 39		.2	.2	.1	.2	.1												8	15	33	83														
38/ 37		.1		.1														2	5	22	70														
36/ 35					.1													1	3	10	73														
34/ 33		.2																2	6	11	52														
Element (X)	Z _{X'}		Z _X		Z		Z ₂		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																																			

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

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STATION

STATION NAME

YEARS

1997

PAGE 2

1220-1400

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PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

MAY

PAGE 1 1500-1700

[illegible]

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

MAY

STATION

STATION NAME

YEARS

MON'N

PAGE 2

1500-1700

MOSES S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

MAY
MONTH

PAGE 1 1800-2000
MO. RE. 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																.2	3	3		
92/ 91																	.1														.1	3	3		
90/ 89															.1																	2	2		
88/ 87															.1	.1															.2	6	6		
86/ 85															.2	.3															.1	8	8		
84/ 83															.2	.3															.5	16	16		
82/ 81															.3	.2															.1	15	15		
80/ 79							.1			.1	.7	.3	.3	.2	.3	.5															.2	23	23		
78/ 77						.3	.1	.2	.2	.6	.5	.2	.3	.2																	.2	24	24		
76/ 75								.6	.7	.7	.7	.6	.2	.1																	.3	31	31		
74/ 73					.1		.6	.8	.8	1.1	1.1	.3																			.4	43	43		
72/ 71						.2	.8	.7	1.0	1.1	1.1	.6																			.4	49	49		
70/ 69					.2	.5	.7	1.0	1.9	1.1	.7	.5																			.5	58	58	3	
68/ 67					.1	.3	.8	1.1	1.1	1.9	.6	.2																			.6	50	50	6	
66/ 65				.1	1.0	.3	.9	1.2	2.3	1.4	.3	.1																			.6	68	68	11	2
64/ 63			.1	.5	.2	.8	1.0	.5	1.1	.7	.1																				.4	44	45	18	1
62/ 61				.7	1.1	1.0	.7	2.1	1.2	.9																					.6	69	71	32	3
60/ 59			.2	.6	.7	.6	.9	1.4	1.5																						.5	51	52	50	1
58/ 57			.6	.7	.6	1.4	1.0	1.1	.3	.1																					.5	51	51	62	6
56/ 55		.2	1.7	.8	1.1	.8	1.2	.3	.1	.1																					.5	57	61	77	16
54/ 53		.6	.9	1.4	1.4	.6	.6	.2																							.4	49	50	89	30
52/ 51		.3	.9	.3	1.1	.6	.5	.6																							.3	38	39	100	29
50/ 49			.5	.7	.9	.9	.8	.2																							.3	31	33	79	55
48/ 47		.2	.3	.7	.7	.3	.8																								.2	27	29	97	44
46/ 45		.1	1.0	.6	.3	.3	.3																								.2	24	27	77	50
44/ 43		.8	.2	.3	.1	.5																									.1	17	18	58	53
42/ 41		.6	.3		.3																										.1	11	15	42	61
40/ 39		.2	.1	.2	.3																										.1	8	10	26	78
38/ 37		.1																													.1	1	7	26	65
36/ 35		.2																													.2	2	9	13	67
34/ 33		.5	.6																												.5	9	12	11	66
32/ 31																															.2	2	7	7	64
30/ 29																															.4				54
28/ 27																																			25
Element (X)	Σ x ¹					Σ x					Σ					Σ ₂					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																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727575	MINOT AFB ND
STATION	STATION NAME

73-82

YEARS

 MAY
MONTH

PAGE 2 1800-2000
HOURS: 1800-2000

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

 MAY

PAGE 1 2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

MAY

PAGE 2 2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
1964

ALL

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																		.0	2	2																																				
98/ 97																		.1	5	5																																				
96/ 95														.0	.0			.3	6	6																																				
94/ 93														.0	.0	.0		.3	6	6																																				
92/ 91											.0	.0	.0	.0	.0	.0	.1	10	10																																					
90/ 89											.0	.1	.0	.1	.1	.0	.1	25	25																																					
88/ 87										.0	.0	.1	.1	.3	.0	.1		33	33																																					
86/ 85										.0	.1	.1	.2	.1	.1	.1	.1	48	48																																					
84/ 83									.0	.0	.1	.3	.3	.2	.1	.1		63	63																																					
82/ 81							.0	.1	.1	.1	.2	.2	.1	.1	.2	.0		70	70																																					
80/ 79						.0	.0	.1	.2	.2	.2	.2	.2	.2				95	95																																					
78/ 77						.1	.1	.2	.3	.4	.3	.2	.1	.0				122	122																																					
76/ 75				.0	.0	.2	.2	.3	.6	.4	.5	.1	.0					166	166																																					
74/ 73				.1	.1	.2	.3	.5	.6	.6	.3	.0						184	184	1																																				
72/ 71			.0	.1	.2	.3	.6	.7	.7	.5	.2	.0						238	238	4																																				
70/ 69			.0	.2	.3	.5	.6	.8	.5	.4	.1	.0						243	243	17																																				
68/ 67			.1	.2	.4	.6	.6	.7	.7	.2	.1							248	248	40																																				
66/ 65		.1	.3	.6	.8	.8	.6	.9	.6	.2	.0							313	313	63	7																																			
64/ 63		.2	.4	.6	.9	.7	.6	.7	.5	.1								284	287	113	5																																			
62/ 61		.4	.7	.8	.8	.6	1.1	.5	.2	.0								357	367	149	19																																			
60/ 59	.0	.5	.7	1.0	.8	.9	.6	.4	.3									363	373	254	26																																			
58/ 57	.2	.8	.9	.8	1.0	.9	.6	.3	.1	.0								399	404	384	78																																			
56/ 55	.2	1.3	1.1	1.3	1.0	.8	.3	.1	.0									436	453	460	104																																			
54/ 53	.6	1.4	1.5	1.6	.8	.6	.3	.0										470	477	508	188																																			
52/ 51	.7	2.2	1.5	1.2	.7	.5	.3											498	508	563	221																																			
50/ 49	.0	.4	2.7	1.3	1.1	.7	.6	.1										493	502	630	331																																			
48/ 47	.5	1.6	1.2	.9	.5	.4												354	363	733	387																																			
46/ 45	.4	1.8	1.2	.8	.4	.2												337	352	679	478																																			
44/ 43	.9	1.7	1.0	.6	.4	.0												322	342	489	489																																			
42/ 41	.9	1.4	1.0	.3	.1													262	288	455	547																																			
40/ 39	.0	.5	1.1	.7	.3	.0												191	218	466	574																																			
38/ 37	.3	.5	.6	.5	.1	.0												123	165	346	567																																			
36/ 35	.5	.3	.3	.0														81	133	237	556																																			
34/ 33	.4	.6	.4	.1														102	159	155	690																																			
Element (X)	Σ x ²					Σ x					Σ					Σ ₂					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																																																								

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

73-82

MAY

STATION

STATION NAME

YEARS

PAGE 2

ALL

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

JUN

PAGE 1 0000-0200

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																
65/ 79						.2																											2	2			
75/ 77							.1																										1	1			
76/ 75					.1	.1	.1																									3	3				
74/ 73						.1	.1	.1																								3	3				
72/ 71				.2		.2	.5																									8	9				
70/ 69				.1	.8	.6	.5	.2		.1																						20	23	2			
68/ 67		.1	.1	.5	1.1	.5	.1	.1	.1	.1																						24	27	1			
66/ 65			.5	.9	1.5	.8	.5	.1																								37	37	7			
64/ 63		.2	1.7	2.7	1.8	.7	.6																									68	68	7			
62/ 61		.5	2.6	2.6	3.2	.9	.5																									93	91	19			
60/ 59		.2	3.6	3.2	2.5	.7	.3																									93	95	69			
58/ 57		.6	3.7	3.3	2.3	1.1	.3																									100	100	64			
56/ 55		.3	5.0	4.5	2.5	.6	.1																									115	117	95			
54/ 53		1.0	3.3	3.4	1.5	.2	.1																									84	87	102			
52/ 51		.5	4.7	4.3	.8	.9																										99	100	120			
50/ 49		.7	2.8	1.2	.8	.3																										52	52	106			
48/ 47		.6	2.6	.8	.3	.1																										39	39	110			
46/ 45		1.3	1.8	.7																												33	33	74			
44/ 43		.1	.5	.2																												7	7	59			
42/ 41		.5	.1	.2																												7	7	31			
40/ 39		.1	.1	.1																												3	3	14			
38/ 37																																		5			
36/ 35																																		3			
34/ 33																																					
32/ 31																																					
30/ 29																																					
28/ 27																																					
TOTAL		6.5	33.0	28.8	19.0	8.0	3.7	.6	.1	.2																						888	900	888			

FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

73-82

JJN

STATION

STATION NAME

YEARS

PAGE 1

0520-3500

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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

JUN

PAGE 1 3630-0800

[illegible]

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

JUN

STATION

STATION NAME

YEARS

PAGE 1 1920-1140

1924-1100

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															
88/ 87											.1							1	1																
86/ 85									.2	.2	.1	.2						7	7																
84/ 83							.2	.1	.1	.1	.4	.1						10	10																
82/ 81						.1	.3	.7	.3		.1							14	14																
80/ 79					.2	.2	.8	.6	.4	.4	.2							26	26																
78/ 77					.1	.4	.8	1.1	1.0	.7	.3	.2						42	42																
76/ 75					.4	.2	1.6	1.9	1.2	.7	.3							57	57																
74/ 73				.1	.3	.8	1.5	1.9	.6	.3	.1							50	51																
72/ 71				.4	.2	3.1	2.0	1.9	1.3	.3	.1							85	88	3															
70/ 69			.1	.7	.9	1.7	2.9	1.6	1.0	.2								81	84	8															
68/ 67				1.0	1.1	2.2	2.7	1.6	.9	.2								87	88	21															
66/ 65		.1	.2	1.2	2.1	2.1	3.1	1.7	.1									96	97	36															
64/ 63		.3	.2	1.2	2.4	2.7	1.2	.8	.1									80	80	69															
62/ 61		.1		1.8	1.7	2.0	1.1	.2										62	62	92															
60/ 59		.8	1.0	1.8	1.3	1.1	.7											60	60	122															
58/ 57		.3	.7	1.9	.8	1.3	.2	.3										50	50	125															
56/ 55			1.1	.8	.6		.1											23	23	127															
54/ 53			1.3	.6	.3	.4												24	24	97															
52/ 51	.1	.6	.8	.3	.2	.1												19	19	98															
50/ 49		.4	.2	.2	.2	.1												11	11	48															
48/ 47			.1	.2	.1													4	4	36															
46/ 45																				14															
44/ 43																				7															
42/ 41			.1															1	1	3															
40/ 39																				2															
38/ 37																				1															
36/ 35																																			
34/ 33																																			
32/ 31																																			
30/ 29																																			
TOTAL	.1	2.7	5.9	12.3	12.9	18.7	16.5	14.3	7.9	3.6	2.0	.9					.1		900		891														
																		891		891															
Element (X)	Σ x'			Σ x			Σ x²			Σ x³			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.	2779909			48115			54.014.286			891			Σ 0 F			Σ 32 F			Σ 67 F			Σ 73 F			Σ 80 F			Σ 93 F			Total				
Dry Bulb	4085080			60228			66.97.795			900									46.9			20.9			5.0						90				
Wet Bulb	2892032			50524			56.75.516			891									3.2												90				
Dew Point	2160803			43453			48.86.841			891									1.1												90				

PSYCHROMETRIC SUMMARY

73-32

JUN -

PAGE 1 1200-1400

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PSYCHROMETRIC SUMMARY

73-82

JUN

PAGE 2 1200-1400

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

JUN

STATION

STATION NAME

YEARS

PAGE 1 1500-1700

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																					.2	2	2																																									
100/ 99																					.1	1	1																																									
98/ 97																					.1	1	1																																									
96/ 95																.1	.1				.1	3	3																																									
94/ 93											.1	.1	.7	.1	.2			.1	.1			13	13																																									
92/ 91												.4	.3	.3								11	11																																									
90/ 89								.1	.2		.1		.6	.1	.2							12	12																																									
88/ 87								.1	.1	.3	.7	.4	.2	.4	.4							25	25																																									
86/ 85									.3	1.1	1.0	1.0	.6	.4								40	40																																									
84/ 83									.3	1.0	.6	1.5	.7	.8	.4							49	49																																									
82/ 81							.1	.3	.2	1.3	1.5	.7	.3									40	40																																									
80/ 79							.4	.6	.9	1.2	1.8	1.2	.2									57	58																																									
78/ 77						.3	.4	.3	1.7	2.5	1.5	.2	.8	.1								68	71																																									
76/ 75					.1	.4	.3	1.5	2.8	2.5	1.3	.3										80	82	1																																								
74/ 73				.1	.2	.9	1.7	2.0	2.0	3.3	.8	.1										93	94	4																																								
72/ 71		.1		.1	.3	.8	1.2	1.5	2.7	.8	.6	.2										74	74	9																																								
70/ 69				.2	.8	.6	1.7	1.6	1.6	1.3												69	71	29	1																																							
68/ 67			.1	.1	.3	.4	1.5	1.5	1.1	.3												48	49	42	3																																							
66/ 65		.2	.2	.8	.2	.9	1.2	1.0	.8													48	48	52	2																																							
64/ 63		.2	.4	.4	.4	.9	.8	.8	.1													37	37	71	8																																							
62/ 61			.6	.4	1.0	1.2	.2	.4	.2													37	37	111	28																																							
60/ 59		.2	.6	.6	.7	.3																21	21	139	31																																							
58/ 57		.4	.4	1.1	.3	.1																22	22	113	41																																							
56/ 55		.3	.7	.7	.2	.7																23	23	116	50																																							
54/ 53			.6	.3	.1	.1																10	10	77	58																																							
52/ 51			.1																			1	1	75	77																																							
50/ 49		.1	.3																			4	4	24	95																																							
48/ 47		.1																				1	1	18	126																																							
46/ 45																								9	74																																							
44/ 43																									87																																							
42/ 41																									81																																							
40/ 39																									49																																							
38/ 37																									28																																							
36/ 35																									31																																							
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																																																																

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

JUN

STATION

STATION NAME

YEARS

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PAGE 2 1500-1700

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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

JUN 1997

PAGE 1 1800-2000

1800-2200

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PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

JUN

PAGE 2 1820-2000

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PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

JUN

PAGE 1 2100-2300

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	Dif.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
86/ 85									.1				.1							2	2														
84/ 83									.1	.1										2	2														
82/ 81							.1	.2	.1											4	4														
80/ 79						.3	.1	.2				.1								7	7														
78/ 77					.1		.4	.2		.1										8	8														
76/ 75					.2	.2	.7	.3												13	13														
74/ 73				.1	.2	.6	1.1	.7	.7	.1										31	31														
72/ 71				.3	.6	1.0	1.2	.8	.3											38	38	2													
70/ 69			.2	.6	1.5	1.3	1.5	.9	.2	.2										57	57	5													
68/ 67			.3	.7	.9	1.5	1.6	.3	.4	.1										52	53	12	1												
66/ 65		.1	.6	2.7	2.5	2.0	1.3	.7	.1											89	89	14	4												
64/ 63		.2	1.6	1.8	1.9	2.4	1.1	.2												82	84	35	7												
62/ 61		.2	.9	2.9	3.1	1.8	1.6	.2	.1											97	99	59	14												
60/ 59		.3	2.2	2.7	4.7	1.1	.7	.1												106	107	83	26												
58/ 57		.3	3.0	3.7	1.9	.9	.4													92	94	86	45												
56/ 55		.3	2.5	2.7	2.1	.7	.3													77	78	118	72												
54/ 53		.2	2.4	2.0	1.1	.8														58	58	117	57												
52/ 51		.2	1.7	1.6	.3	.3														37	37	134	51												
50/ 49		.3	.7	.3	.6	.1														18	18	81	90												
48/ 47		.2	.7	.6																13	13	73	112												
46/ 45		.3	.1																	4	4	37	130												
44/ 43			.3																	3	3	21	60												
42/ 41			.1																	1	1	14	68												
40/ 39																						2	47												
38/ 37																							26												
36/ 35																							19												
34/ 33																							15												
32/ 31																							11												
30/ 29																							6												
TOTAL		2.9	17.3	22.7	21.8	15.0	12.2	5.1	2.1	.7		.1	.1								900	891	891												
																				891		891													
Element (X)	Σx'		Σx		Σ		Σx		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	3548036		54946		61.713		184		891		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb	3479159		55587		61.8		7.147		900						21.5		6.7		1.1				90												
Wet Bulb	2645302		48284		54.2		5.684		891						1.7								90												
Dew Point	2083974		42648		47.9		6.920		891						1.7		1.1						90												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

JUN

STATION

STATION NAME

YEARS

PAGE 1

ALL

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	C.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
104/103																		.0	2	2															
100/ 99																		.0	2	2															
98/ 97																		.0	2	2															
96/ 95															.0	.0	.0	.0	7	7															
94/ 93											.0	.0	.1	.0	.0	.0	.0	.0	19	19															
92/ 91											.1	.1	.1	.1	.0			.0	17	17															
90/ 89									.0	.0	.0	.1	.1	.2	.0	.1	.0		35	35															
88/ 87									.0	.0	.2	.2	.1	.1	.1	.1			60	60															
86/ 85								.0	.0	.1	.3	.4	.3	.2	.1				94	94															
84/ 83								.0	.1	.3	.3	.4	.3	.3	.1				128	129															
82/ 81								.1	.2	.3	.5	.4	.2	.1	.0				133	133															
80/ 79						.2	.2	.5	.4	.6	.6	.4	.1						208	209															
78/ 77					.0	.1	.4	.5	.7	.7	.5	.1	.1	.0					220	227															
76/ 75					.2	.3	.5	.8	1.1	.8	.4	.2	.0						307	313		3													
74/ 73				.1	.3	.5	.7	1.1	1.0	.8	.2	.1							333	336		12													
72/ 71		.0		.3	.4	1.0	1.1	1.3	1.1	.5	.2	.0							416	421		30													
70/ 69			.1	.4	.8	.9	1.6	1.0	.9	.5	.0								437	444		77													
68/ 67		.0	.2	.5	.7	1.1	1.3	.8	.6	.2									395	403		138													
66/ 65		.1	.4	1.1	1.3	1.3	1.1	.8	.3	.0									452	459		252													
64/ 63		.2	1.0	1.5	1.4	1.4	1.1	.4	.2										500	506		338													
62/ 61		.3	1.1	2.0	2.0	1.5	.6	.3	.1										550	556		520													
60/ 59	.0	.5	1.9	2.0	2.0	.6	.4	.1											525	533		743													
58/ 57		.3	2.1	2.5	1.2	.7	.3	.0											509	512		793													
56/ 55		.5	2.5	2.0	1.3	.5	.1												482	488		861													
54/ 53		.4	2.3	1.7	.8	.3	.0												396	399		780													
52/ 51	.0	.3	2.1	1.4	.4	.3													315	319		814													
50/ 49	.0	.5	1.7	.6	.4	.1													237	238		544													
48/ 47		.4	.9	.5	.1	.0													137	137		503													
46/ 45		.4	.8	.2	.1														107	107		302													
44/ 43		.3	.3	.1															46	46		193													
42/ 41		.1	.2	.1															28	28		120													
40/ 39		.1	.1	.0															18	18		54													
38/ 37			.0																1	1		30													
36/ 35																						11													
Element (X)	ΣX^2				ΣX				$\bar{X}$				σ_x				No. Obs.				Mean No. of Hours with Temperature														
Rel. Hum.																											Total								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-62

JUN

STATION

STATION NAME

YEARS

PAGE 2

ALL

[illegible]

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

— 222 —

STATION

STATION NAME

YEARS

PAGE 1

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PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

JUL

PAGE 1 0300-0500

[illegible]

AD A131 888

MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. . APR 83

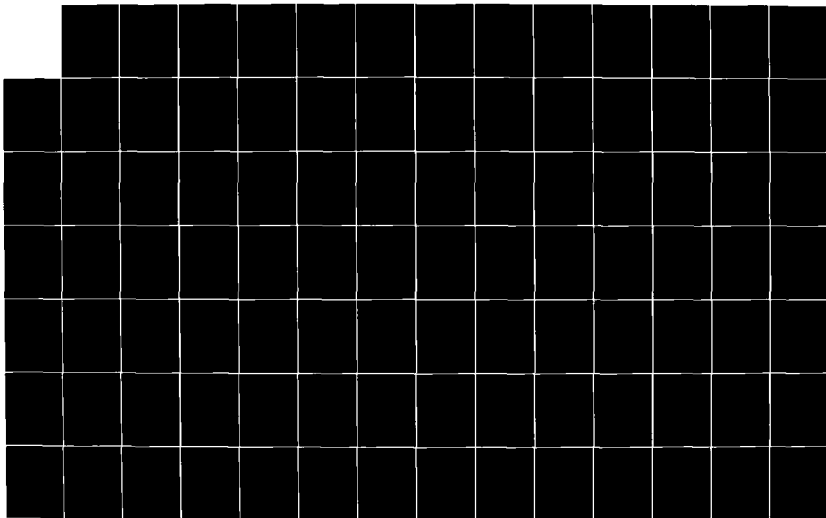
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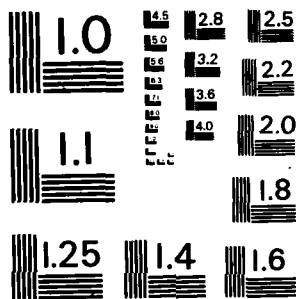
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USAFETAC/DS H3/018 SBI-AD-E850 396

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963-A

PSYCHROMETRIC SUMMARY

73-82

JUL
MON 1M

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

JUL

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				
96/ 95													.1	.1				2	2						
94/ 93												.2	.1					3	3						
92/ 91									.1	.1	.3	.1	.1					7	7						
90/ 89										.1	.3	.1						5	5						
88/ 87									.1	.6	.4	.6		.2				17	17						
86/ 85							.1	.8	.9	.7	.6	.1						28	29						
84/ 83					.1		.1	.6	.6	.7	.6		.1					24	28						
82/ 81						.2	.6	2.2	1.3	1.3	.7							57	59						
80/ 79					.6	.4	1.0	1.7	1.1	.9	.9	.2						61	65						
78/ 77				.3	.3	1.4	2.7	1.8	2.4	1.2	.3							95	97						
76/ 75				.3	.6	2.4	2.1	3.0	2.6	1.0	.4							112	115	2					
74/ 73				.4	1.1	3.2	2.3	2.4	1.2	.4								101	102	6					
72/ 71			.1	.2	1.7	2.2	3.0	2.2	1.1									95	99	37	1				
70/ 69			.2	1.2	2.9	2.3	2.4	1.2	.4	.1								98	104	40	6				
68/ 67			.4	1.4	1.4	1.4	1.2	.4										58	61	76	8				
66/ 65		.1	.7	1.0	1.6	1.6	.7	.4										56	56	105	28				
64/ 63		.2	.9	1.1	1.4	.9	.6											46	46	132	28				
62/ 61		.1	.4	.7	.7	.3												20	20	154	60				
60/ 59		.1	.1	.2		.2												6	6	148	130				
58/ 57		.2	.2	.3														7	7	97	86				
56/ 55			.1		.1													2	2	59	103				
54/ 53																				31	96				
52/ 51																				12	98				
50/ 49																				1	98				
48/ 47																					60				
46/ 45																					42				
44/ 43																					27				
42/ 41																					20				
40/ 39																					8				
38/ 37																					1				
TOTAL		.8	3.2	7.3	12.4	17.0	16.8	16.9	12.3	7.0	4.7	.8	.7	.1				900	930	900	900				
Element (X)	Σx^2		Σx		$\bar{x}$		σ^2		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.	2588756		46870		52.1		12.825		900		$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$									
Dry Bulb	5108589		68639		73.8		6.777		930				79.3	52.9	17.2	.5			93						
Wet Bulb	3486410		55858		62.1		4.671		900				16.6	.8					93						
Dew Point	2687126		48868		54.3		6.123		900				1.5						93						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 HINOT AFB ND

73-82

JUL

STATION

STATION NAME

YEARS

MONTN

PAGE 1 1200-1400
HOUSE (105-1)

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

73-82



PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

444

STATION

STATION NAME

YEARS

W J N T H

PAGE 1 1500-1700
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

 JUL
MONTH

PAGE 2 ~~1500-1700~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

Jul
MONTH

PAGE 1 1800-2000

NOUVEAU S. T. 1

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

JUL
MONTH

PAGE 2 ~~1800-2000~~
HOURS 1 5 7 9

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

727675
STATION

HINOT AFB ND

73-82

JUL
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

HOURS **S. T. U.**

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

Jul
MONTH

ALL
HOURS 11 - 5 - T.V.

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																		.0	1	1											
106/105																		.0	1	1											
104/103																		.0	1	5	5										
102/101															.0	.0	.0	.0	4	4											
100/ 99														.1	.0	.1	.0	.0	22	22											
98/ 97														.0	.1	.1	.0		16	16											
96/ 95										.0	.1	.0	.2	.1	.1	.1	.0		39	40											
94/ 93									.0	.0	.1	.2	.2	.2	.2	.0	.0		66	69											
92/ 91									.1	.2	.2	.4	.2	.2	.0	.0			89	94											
90/ 89							.0	.1	.2	.3	.5	.3	.3	.2	.0	.0			141	143											
88/ 87							.0	.1	.2	.5	.6	.5	.4	.0	.0				163	172											
86/ 85						.0	.1	.3	.5	.7	.7	.7	.3	.0					238	243											
84/ 83					.0	.1	.1	.5	.7	.6	.6	.7	.3	.0					265	274											
82/ 81					.0	.1	.4	.9	1.0	1.1	.7	.6	.1	.0					357	365											
80/ 79					.1	.4	.8	1.0	1.0	1.2	.9	.3	.0						418	441											
78/ 77		.0	.1	.2	.5	.9	.9	1.2	.8	.5	.2	.0							382	396	7										
76/ 75		.0	.2	.7	1.1	1.0	1.4	1.2	.7	.2	.0								466	479	38										
74/ 73		.1	.5	.7	1.4	.9	1.2	.7	.2	.0									414	427	66										
72/ 71	.0	.2	.7	1.1	1.5	1.3	1.3	.9	.0	.0									485	500	216	11									
70/ 69	.0	.5	1.0	1.7	1.4	1.3	.6	.2	.0										483	508	294	28									
68/ 67	.0	.5	1.6	1.8	1.5	.9	.2	.0											481	500	530	60									
66/ 65	.1	1.1	2.1	1.8	.9	.4	.2												477	498	602	171									
64/ 63	.4	1.2	2.4	1.5	.8	.2	.0												476	487	782	251									
62/ 61	.6	1.5	2.1	1.1	.4	.1	.0												416	429	979	379									
60/ 59	.5	1.3	1.9	.7	.2	.0	.0												333	341	1013	646									
58/ 57	.8	1.7	1.6	.3	.1														324	330	834	706									
56/ 55	.0	.6	1.8	1.0	.2	.0													262	268	605	770									
54/ 53	.3	1.1	.8																170	170	475	772									
52/ 51	.2	.7	.3	.1															100	100	343	845									
50/ 49	.0	.2	.1	.1															78	79	183	818									
48/ 47		.0	.2	.0															16	16	139	677									
46/ 45		.0	.1																7	10	62	436									
44/ 43			.0																3	5	22	297									
42/ 41		.0	.0																4	4	8	176									
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		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																															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

JUL
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	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
40/ 39		.0																			
38/ 37																		1	1	4	83
36/ 35																				1	45
34/ 33																					21
32/ 31																					8
30/ 29																					1
TOTAL	.0	3.9	13.0	16.6	12.4	10.3	8.4	8.7	7.3	6.5	5.2	3.8	2.1	1.0	.5	2	.1	7203	7438	7203	7203
													</								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 AUG
STATION STATION NAME YEARS 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																										
82/ 81											.1								1	1																											
80/ 79										.1									1	1																											
78/ 77						.1													1	1																											
76/ 75							.2	.3	.2										7	7																											
74/ 73					.2	.4	.1	.2	.2										11	11																											
72/ 71				.8	1.2	.3	.6	.1	.1										28	28																											
70/ 69		.1	1.2	.9	.4	.1	.6												31	31																											
68/ 67		.3	.6	1.8	2.2	.4	.4		.1										55	55	5																										
66/ 65			1.5	2.1	1.8	1.2	.1												62	62	25	4																									
64/ 63			1.6	1.4	1.5	1.1	.8												59	59	32	14																									
62/ 61	.1	.5	3.9	2.6	1.6	.9	.5												94	94	60	21																									
60/ 59		1.2	3.9	2.8	2.1	.9	.1												101	103	66	37																									
58/ 57		2.2	3.8	3.8	2.4	1.1													122	123	110	51																									
56/ 55		2.9	3.5	2.3	.6	.2													88	88	102	97																									
54/ 53		1.5	2.8	2.7	1.1														75	76	114	76																									
52/ 51	.2	1.0	4.3	1.2	.8	.1													70	70	111	107																									
50/ 49		.8	2.1	1.8	.3														48	48	94	78																									
48/ 47		.9	.6	1.2															25	25	88	103																									
46/ 45		.6	.3	.3															12	12	39	94																									
44/ 43		.9	.5	.4															17	17	35	75																									
42/ 41		.9		.5															13	13	19	58																									
40/ 39		.1		.1															2	2	12	38																									
38/ 37			.1																1	1	8	39																									
36/ 35			.1																1	1	3	17																									
34/ 33																					1	2																									
32/ 31			.1																1	1	1	8																									
30/ 29																					1	4																									
26/ 25																						3																									
TOTAL	.3	13.8	31.2	26.7	16.1	6.8	3.6	.6	.6	.1	.1								926	930	926																										
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																																		
Rel. Hum.	4880701		66255		71.5		12.3		10		926		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																													
Dry Bulb	3230325		54389		58.5		7.3		300		930				.1	13.5	2.1	.2																													
Wet Bulb	2662086		49308		53.2		6.2		283		926				.2	.5																															
Dew Point	2262976		45308		48.9		7.0		61		926				1.5																																

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

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PAGE 1 0300-0500
MO RS 6 7

0550-050
MO-BE 6-7

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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

73-82

AUG
MON 11

PAGE 1 0600-0800
HOURS S. Y.

[illegible]

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND
STATION

73-82

AUG
MONIN

PAGE 1 0900-1100
HOURS 9 10 11

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

AUG
MONTH

PAGE 1 1200-1430
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

AUG
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

 AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

AUG
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

AUG
MONTH

PAGE 1 ~~1800-2000~~

1800-2600
HOURS

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB NO

73-82

 AUG
MONTH

PAGE 2

1800-2000
HOURS S T L

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 ~~2100-2300~~
HOURS: 5-7

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						2	2																
86/ 85												.1						1	1																
84/ 83											.1							3	3																
82/ 81								.1			.3	.2						6	6																
80/ 79				.1		.2	.3	.2	.2	.2	.1							13	13																
78/ 77				.1		.1	.1	.1	.4	.2								10	10																
76/ 75		.1			.4	.9	.9	.8	.2									30	30																
74/ 73			.1	.2	1.1	.9	1.0	.6	.2	.3								41	41	2	1														
72/ 71			.3	.5	1.1	.8	1.3	1.3	.2	.1								52	52	1															
70/ 69		.1	.9	.6	2.3	1.2	1.2	1.1										68	68	8	2														
68/ 67			.6	1.2	1.8	2.2	1.3	.4										70	70	16	4														
66/ 65		.2	1.2	1.8	2.4	1.0	1.4	.4	.1									79	79	42	5														
64/ 63		.2	1.2	2.5	2.3	1.3	1.2	.1										81	81	52	17														
62/ 61		.6	2.5	3.1	1.5	2.8		.2										100	100	75	31														
60/ 59		1.5	2.8	3.7	1.6	2.0	.1	.1										110	110	109	42														
58/ 57		1.0	2.5	1.9	1.9	1.5	.2											84	84	129	66														
56/ 55		.6	1.2	2.0	1.4													49	49	111	95														
54/ 53	.2	.9	1.5	1.1	.6	.3												44	44	111	92														
52/ 51		.4	1.8	.9	.6													35	35	88	102														
50/ 49		.3	1.0	.4	.8													23	23	68	99														
48/ 47		.3	.4	.1	.1													9	9	57	74														
46/ 45		.2	.1	.4	.2													9	9	21	77														
44/ 43		.2	.3		.1													6	6	20	77														
42/ 41			.1	.1														2	2	5	58														
40/ 39		.1																1	1	9	30														
38/ 37		.1		.1														2	2	2	23														
36/ 35																					12														
34/ 33																				1	11														
32/ 31																					9														
26/ 25																					2														
24/ 23																					1														
TOTAL	.2	7.0	18.5	21.0	20.3	15.1	9.0	5.4	1.4	1.3	.4	.4						930	930		930														
Element (X)	Σ x'		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	4034793		59791		64.818		329		930		± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																		
Dry Bulb	3730961		58445		62.8		7.904		930				29.6	10.6	1.6		93																		
Wet Bulb	2913886		51734		55.6		6.228		930				2.7	.2			93																		
Dew Point	2366515		46423		49.9		7.278		930			1.2	.7	.1			93																		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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																																																						
100/ 99																																		4	4																																								
98/ 97														.0																			.0	.1	11	11																																							
96/ 95													.0	.0	.1	.0	.1	.1														.1	29	29																																									
94/ 93												.0	.1	.1	.1	.2	.0																.0	42	42																																								
92/ 91										.0		.1	.2	.1	.1	.2	.1	.0															.0	58	58																																								
90/ 89										.0		.1	.2	.3	.1	.3	.0	.0															.0	79	79																																								
88/ 87										.1	.1	.3	.3	.3	.3	.1		.0																.0	112	112																																							
86/ 85								.0	.1	.1	.3	.3	.5	.5	.3	.1	.0																		.0	170	170																																						
84/ 83						.0	.0	.1	.3	.4	.3	.5	.4	.3	.1	.0																			.0	199	199																																						
82/ 81					.0	.1	.1	.2	.4	.7	.6	.4	.1	.0																						.0	193	193																																					
80/ 79				.0	.0	.2	.3	.7	1.1	.7	.7	.2	.0	.0																						.0	296	296																																					
78/ 77				.0	.1	.2	.5	.6	.6	.6	.4	.1	.1																							.0	227	227																																					
76/ 75		.0	.0	.0	.3	.5	.8	.9	.9	.7	.2	.0	.0																							.0	314	314																																					
74/ 73		.0	.1	.4	.7	.8	.9	.9	.4	.2																										.0	330	330																																					
72/ 71			.1	.4	.7	1.0	1.1	.9	.7	.3	.1																									.0	389	389																																					
70/ 69		.0	.5	.6	1.2	1.1	1.2	1.0	.6	.2	.1																									.0	471	471																																					
68/ 67		.1	.5	1.1	1.5	1.0	.8	.6	.3	.1	.0																									.0	443	443																																					
66/ 65		.1	1.1	1.6	1.4	.9	.9	.6	.1	.0																										.0	498	499																																					
64/ 63		.3	1.2	1.5	1.2	.7	.6	.3	.1																											.0	433	436																																					
62/ 61	.0	.5	2.0	1.7	1.1	1.1	.4	.2	.1																											.0	513	515																																					
60/ 59	.0	.9	2.3	1.5	1.1	.8	.2	.1	.0																											.0	507	511																																					
58/ 57	.0	1.3	2.1	1.4	1.1	.5	.2	.0																												.0	490	491																																					
56/ 55	.0	1.4	1.7	1.6	.7	.2	.0	.0																												.0	419	419																																					
54/ 53	.0	1.1	1.6	1.4	.5	.2	.0																													.0	358	359																																					
52/ 51	.1	.8	2.0	.8	.4	.0	.0																													.0	299	299																																					
50/ 49		.5	1.3	.6	.2	.0																														.0	195	195																																					
48/ 47	.0	.5	.6	.4	.0																															.0	113	113																																					
46/ 45	.1	.5	.4	.2	.0																															.0	93	93																																					
44/ 43	.0	.3	.3	.1	.0																															.0	53	53																																					
42/ 41		.4	.1	.1																																.0	45	45																																					
40/ 39		.2	.1	.0																																.0	25	25																																					
38/ 37		.1	.0	.0																																.0	10	10																																					
36/ 35		.0	.0																																	.0	2	2																																					
34/ 33			.0																																	.0	1	1																																					
Element (X)	Σ X ²					Σ X					Σ					Σ					Σ					Σ					Σ					Σ					Σ					Σ																													
Rel. Hum.																																																																											
Dry Bulb																																																																											
Wet Bulb																																																																											
Dew Point																																																																											

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

AUG
MONTH

YEARS

ALL
HOURS (L. S. T.)

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

552

STATION

STATION NAME

YEARS

1429

PAGE 1 0000-0233

1000-0233

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																				
76/ 75								.2				.1						3	3																				
74/ 73						.2				.1								3	3																				
72/ 71							.1	.1	.2	.2								6	6																				
70/ 69			.1		.2	.2	.1											6	6																				
68/ 67			.2	.1	.1	.3	.2			.1								10	10																				
66/ 65			1.0	.4	.2	.8	.8	.1										30	30	5																			
64/ 63		.1	.6	.6	.6	.6	.2	.2										25	25	8	1																		
62/ 61			.6		.4	.8	.3	.2										21	21	9	8																		
60/ 59			.7	.3	.6	1.3	.6	.1										32	32	14	8																		
58/ 57		.4	.6	1.4	.7	1.2	.3											42	42	20	7																		
56/ 55		1.6	.4	1.0	1.3	1.2	.1											51	51	35	15																		
54/ 53	.4	1.7	2.2	2.8	2.0	.3												85	85	48	25																		
52/ 51		2.6	4.7	2.3	1.2	.9												105	105	50	34																		
50/ 49	.6	3.3	4.1	1.7	.6	.4												96	96	98	49																		
48/ 47		2.3	3.1	1.9	.6													71	71	127	56																		
46/ 45		2.4	4.0	1.8	1.1													84	84	105	72																		
44/ 43		1.8	3.0	1.2	.2													56	56	74	88																		
42/ 41		2.2	2.0	.6	.1													44	44	77	84																		
40/ 39		3.1	2.9	1.1														64	64	79	93																		
38/ 37	.1	.9		.3														18	18	54	92																		
36/ 35	.1	1.1	.9															19	19	38	74																		
34/ 33		.9	.6	.1														14	14	30	56																		
32/ 31			.6															5	5	11	55																		
30/ 29		.3																3	3	6	34																		
28/ 27																				6	16																		
26/ 25		.1																1	1		11																		
24/ 23		.2																2	2	3	10																		
22/ 21		.1																1	1	1	3																		
20/ 19		.2																2	2	1	4																		
18/ 17																				1	3																		
16/ 15																					2																		
TOTAL	1.2	25.4	32.8	17.7	10.1	8.2	3.0	1.0	.2	.2	.1							900	900	900	900																		
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.	4825790		64592		71.814		541		900		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total																
Dry Bulb	2313259		44955		50.0		8.682		900				1.4		2.9		.7						90																
Wet Bulb	1899728		40824		45.4		7.303		900				2.9										90																
Dew Point	1542892		36560		40.6		8.014		900				13.8										90																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

SEP

STATION

STATION NAME

YEARS

PAGE 1 1300-0500

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															
72/ 71						.3	.3		.1									7		7															
70/ 69						.1	.1	.1										2		2															
68/ 67					.1	.1	.2											4		4															
66/ 65		.1	.4	.6	.1	.4	.2	.1										18		18															
64/ 63		.2	.3	.2	.7	.8	.1	.1										22		22			3	1											
62/ 61		.1	.4	.7	.9	.8	.1	.3										30		30			12	4											
60/ 59			1.1	.7	1.1	.6												31		31			2	3											
58/ 57		.1	1.3	.8	.8	.8	.1											35		35			17	4											
56/ 55	.2	1.7	.6	.3	.9	1.1	.3											46		46			41	12											
54/ 53	.3	2.7	1.2	1.6	.7	1.0												67		67			52	37											
52/ 51	.2	2.1	2.0	2.9	.8	.3												75		75			62	46											
50/ 49	.6	2.7	3.4	2.8	.9	.1												94		94			56	40											
48/ 47	.1	2.2	2.7	1.6	.2	.3												64		64			79	49											
46/ 45		4.6	4.3	1.6	.3													97		97			98	64											
44/ 43		4.0	4.0	2.1	.2													93		93			101	71											
42/ 41		2.4	2.7	.6														51		51			99	68											
40/ 39	.1	2.2	3.1	.8														56		56			71	102											
38/ 37	.3	2.7	1.7	.1														43		43			63	97											
36/ 35	.4	1.2	.9	.1														24		24			65	78											
34/ 33		1.0	.6	.1														15		15			27	68											
32/ 31	.4	.7	.2															12		12			23	65											
30/ 29		.2	.2															4		4			8	34											
28/ 27		.2																2		2			4	25											
26/ 25		.2																2		2			3	13											
24/ 23		.2																2		2			3	3											
22/ 21		.2																2		2			2	6											
20/ 19		.1																1		1			2	4											
18/ 17																								5											
16/ 15																								1											
TOTAL	2.8	31.9	31.2	17.3	7.7	6.7	1.6	.8	.1											900		900		900											
																				900		900		900											
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	5167439		67017		74.514		.037		900		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb	2163226		43438		48.3		8.615		900				2.5		1.4		.1						90												
Wet Bulb	1812783		39839		44.3		7.408		900				4.5										90												
Dew Point	1500161		36031		40.0		8.010		900				15.6										90												

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

SEP

PAGE 1 2622-0822

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

SEP

PAGE 1 ~~0900-1100~~

[illegible]

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-82

SEP

STATION

STATION NAME

YEARS

404

PAGE 2

0900-1100

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

73-82

- SEP

PAGE 1 ~~1200-1400~~

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	.2	3	3																
98/ 97																.1	.2	5	5																
96/ 95														.1	.1	.1	.1	5	5																
94/ 93													.1	.1	.2	.7		10	10																
92/ 91														.2	.3	.2		7	7																
90/ 89											.4	.1	.3	.4	.3			15	15																
88/ 87											.1		.2	.4		.2		9	9																
86/ 85										.2		.6	.6	.2	.1			14	14																
84/ 83									.1	.2	.2	.2	.7	.3	.1			17	17																
82/ 81									.3	.2	.4	.4	.3	.1	.2			19	19																
80/ 79							.1	.2	.6	.4	.8	1.0	.3	.2				33	33																
78/ 77						.1	.3	.4	.2	1.0	.7	.2						27	27																
76/ 75					.1	.2	.3	1.1	.8	.8	.2							32	32																
74/ 73				.1	.6	.3	1.2	.8	1.0	1.0	.2	.1						48	48																
72/ 71			.1	.1	.6	.1	1.0	1.2	1.3	1.0								49	50	3															
70/ 69			.2	.2	.7	2.2	1.3	1.4	1.4	.9								75	76	10															
68/ 67			.4	.2	.3	.8	1.0	.8	.7	.1								39	39	14															
66/ 65			.3	.8	.3	1.1	1.3	1.4	.1									49	49	24															
64/ 63	.2	.7	.2	.9	1.2	1.4	1.7	.4										61	61	43	1														
62/ 61	.1	.7	1.2	.4	1.6	1.6	1.0	.2	.2									63	63	47	5														
60/ 59	.3	.9	.3	1.0	.9	1.0	1.0											49	49	74	18														
58/ 57	.4	.9	.8	.4	.7	1.0	.6											43	43	91	29														
56/ 55	.4	.7	.7	1.0	.9	.7	.3											42	42	106	30														
54/ 53	.7	1.3	1.2	1.3	1.9	.3												61	61	76	27														
52/ 51	.6	.7	.7	.9	.4	.1												30	30	107	52														
50/ 49	.4	.7	.6	.9	.7	.1												30	30	79	58														
48/ 47	.7	.9	.3	1.1	.4													31	31	54	79														
46/ 45	.2	.4	.7	.1	.2													15	15	63	72														
44/ 43	.1	.2	.1	.3														7	7	37	76														
42/ 41	.2	.2		.1														5	5	28	78														
40/ 39				.2																															
38/ 37				.1														1	1	9	68														
36/ 35																				3	56														
34/ 33																				3	69														
Element (X)	Z _X ²		Z _X		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																																			

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-92

SEP

PAGE 2 1200-1400

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											
32/ 31																						1	34									
30/ 29																							27									
28/ 27																							20									
26/ 25																							17									
24/ 23																							8									
22/ 21																							2									
TOTAL		4.5	8.2	8.2	10.2	11.6	11.0	11.4	8.9	6.8	6.8	3.6	3.0	2.4	1.3	1.4	.6		900			898										
																		898		898												
					</																											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

SEP
MONTH

PAGE 1 1500-1700
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																																							
104/103																		.1	1	1																																								
102/101																		.2	.1	3	3																																							
100/ 99																		.1	.4	5	5																																							
98/ 97																.1	.2	.3	6	6																																								
96/ 95														.1				.2	.2	5	5																																							
94/ 93													.1					.6	.2	8	8																																							
92/ 91													.2	.1	.2	.4	.2			11	11																																							
90/ 89													.2	.2	.3			.2		9	9																																							
88/ 87										.1	.2			.6	.4		.1			13	13																																							
86/ 85										.1	.1	.2		.8	.4		.1			17	17																																							
84/ 83									.2		.3	.4	.3	.8	.8					26	26																																							
82/ 81									.1	.9	.4	.8	.4	.4						28	28																																							
80/ 79								.2	.1	.7	.7	.4	.9	.1						28	28																																							
78/ 77							.6	.2	.9	.4	1.1	.3	.1							33	33																																							
76/ 75						.1	.1	.2	1.3	1.0	1.9	.7	.2	.1						51	51																																							
74/ 73						.2	.2	.9	1.0	2.2	1.2	.2								54	54																																							
72/ 71					.2	.3	.6	1.0	1.7	1.1	1.9	.4								65	65	4																																						
70/ 69				.1	.6	.3	.6	1.0	1.0	.6	.9									45	45	14																																						
68/ 67					.1	.2	.7	1.0	1.8	1.2	.1									46	46	11																																						
66/ 65			.3	.1	.7	.3	1.3	2.2	1.9	.7										68	68	21																																						
64/ 63		.2	.6	.4	.9	1.1	.9	1.1	1.1	.3										60	60	48																																						
62/ 61		.1	.8	.6	.3	.4	.7	1.1	.2											38	38	52																																						
60/ 59		.4	.6	1.0	.7	.4	.3	1.0												40	40	69																																						
58/ 57		.4	.8	.4	.7	.7	.6	.8	.3											42	42	96																																						
56/ 55		.7	.4	.9	.6	1.4	.8	.2												45	45	108																																						
54/ 53		.8	.7	1.1	1.2	1.7	1.0													58	58	95																																						
52/ 51	.1	.7	.2	.3	.6		.7													23	23	132																																						
50/ 49	.1	.2	.6	.6	.8	.7														28	28	73																																						
48/ 47			.3	.4	.4	.1														12	12	47																																						
46/ 45		.2	.6	.2	.2	.7														17	17	59																																						
44/ 43		.4	.3	.3																10	10	39																																						
42/ 41		.2																		2	2	34																																						
40/ 39				.1	.1															2	2	15																																						
38/ 37					.1															1	1	7																																						
Element (X)	Σ X'					Σ X					Σ					Σ					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																																																												

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

SEP

PAGE 2 1500-1700

[illegible]

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ~~1800-2000~~

[illegible]

PSYCHROMETRIC SUMMARY

73-82

SEP

STATION NAME

YEARS

MON.

PAGE 2 1830-2003

1030-2000
HOURS : S T

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 SEP
STATION MONTH YEARS

PAGE 1 2100-2300
HOURS 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							.2											2	2																
78/ 77							.1				.1							2	2																
76/ 75							.2				.1							3	3																
74/ 73					.1		.1	.3	.1	.1								7	7																
72/ 71		.1	.1	.2		.1	.2	.2	.2	.1								12	12																
70/ 69				.1	.1	.1	.1	.1	.1									7	7	2	1														
68/ 67					.4	1.0	.8	.1	.2	.2								25	25	3															
66/ 65			.4	.2	.4	.9	1.0	.6	.2									34	34	5	2														
64/ 63		.2	.7	.6	.3	.6	.4	.4										29	29	1															
62/ 61		.1	.4	.3	.8	.6	1.2	.1										32	33	13	7														
60/ 59		.1	.4	.8	1.1	1.6	.8	.3										46	46	23	7														
58/ 57		.8	1.6	1.1	1.1	1.7	.4	.2										62	62	34	8														
56/ 55		1.6	1.6	3.0	2.2	1.6	.2											91	91	42	19														
54/ 53	.2	2.1	2.4	2.8	2.3	1.1	.4											103	103	61	30														
52/ 51	.1	2.6	3.1	2.9	1.1	.9	.1											97	97	86	45														
50/ 49	.1	.7	2.1	2.7	1.1	.1												63	63	108	55														
48/ 47		1.3	3.9	1.8	1.0	.1												73	73	108	49														
46/ 45		1.4	1.7	2.1	1.0													56	56	95	89														
44/ 43		1.2	2.1	1.0	.2													43	43	91	80														
42/ 41		1.6	2.4	1.0	.6													50	50	62	72														
40/ 39		.8	1.4	.9	.1													29	29	64	89														
38/ 37	.1	.7	.4	.3														14	14	44	98														
36/ 35		.1	.2	.4														7	7	24	70														
34/ 33			.2	.1														3	3	12	52														
32/ 31		.1	.2															3	3	9	51														
30/ 29		.1																1	1	5	28														
28/ 27		.3	.1															4	4	3	10														
26/ 25																				3	12														
24/ 23		.1																1	1		14														
22/ 21																				1	5														
20/ 19																					4														
18/ 17																					1														
16/ 15																					1														
Element (X)	Σ X'					Σ X					Σ					°X					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																										≤ 0 F					≤ 32 F				
Dry Bulb																										≤ 67 F					≤ 73 F				
Wet Bulb																										≤ 80 F					≤ 93 F				
Dew Point																															Total				

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

SEP

PAGE 2

2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

~~SECRET~~

PAGE 1

ALL

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	1	1												
102/101																		.0	3	3												
100/ 99																		.0	.1	8	8											
98/ 97															.0	.0	.1	.1	12	12												
96/ 95													.0	.0	.0	.0	.1	.1	11	11												
94/ 93												.0	.0	.0	.0	.2	.0	.0	21	21												
92/ 91												.0	.0	.1	.1	.1		.1	22	22												
90/ 89											.1	.0	.1	.2	.1		.0	.0	34	34												
88/ 87									.0	.0	.3	.0	.1	.1	.0	.0		.0	29	29												
86/ 85										.1	.1	.2	.2	.1	.0	.0		.0	44	44												
84/ 83									.1	.0	.1	.1	.1	.2	.1				53	53												
82/ 81							.0	.0	.1	.2	.2	.2	.1	.1	.0				67	67												
80/ 79							.1	.1	.1	.2	.3	.2	.2	.0					92	92												
78/ 77						.0	.1	.1	.2	.2	.3	.2	.1						86	86												
76/ 75						.1	.1	.1	.4	.3	.4	.1	.0	.0					118	118												
74/ 73					.1	.2	.2	.4	.4	.5	.4	.1	.0						160	160												
72/ 71		.0	.0	.0	.1	.3	.3	.5	.7	.5	.5	.1							211	212	9											
70/ 69			.0	.2	.2	.3	.7	.6	.6	.4	.3								221	223	32											
68/ 67			.1	.1	.4	.4	.7	.5	.5	.4	.0								218	218	42											
66/ 65		.0	.3	.3	.4	.6	.9	.8	.8	.2									325	326	75											
64/ 63	.0	.2	.5	.4	.6	.8	.8	.8	.3	.0									319	319	146											
62/ 61	.0	.2	.6	.6	.9	.9	.9	.5	.1	.0									344	345	207											
60/ 59		.3	.8	.7	1.0	1.1	.7	.5	.0										363	363	290											
58/ 57		.5	1.3	1.0	1.0	1.1	.5	.3	.1										415	415	407											
56/ 55	.0	1.2	.8	1.2	1.4	1.1	.4	.1	.0										455	455	529											
54/ 53	.2	1.6	1.5	1.9	1.4	1.1	.4	.0											588	588	586											
52/ 51	.2	1.8	2.0	1.7	1.0	.5	.2												528	528	666											
50/ 49	.2	1.5	2.2	1.7	1.0	.4	.0												501	501	706											
48/ 47	.0	1.3	2.2	1.1	.7	.3													404	404	648											
46/ 45	.0	2.0	2.0	1.2	.6	.1													432	432	681											
44/ 43	.0	1.4	2.0	1.1	.2	.0													343	343	555											
42/ 41	.0	1.2	1.4	.5	.2														234	234	459											
40/ 39	.0	1.1	1.3	.6	.1														227	227	410											
38/ 37	.1	.7	.5	.2	.0														113	113	298											
Element (X)	Z _{X'}				Z _X				Z		e _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																																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

SEP
MONTH

PAGE 2

ALL
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																
36/ 35	.1	.4	.4	.1														70	70	195	579																
34/ 33	.0	.4	.2	.0														50	50	105	446																
32/ 31	.1	.2	.2															30	30	72	414																
30/ 29		.2	.0															15	15	27	231																
28/ 27		.1	.0															8	8	21	151																
26/ 25		.1																7	7	10	111																
24/ 23		.1																7	7	10	60																
22/ 21		.0																3	3	5	36																
20/ 19		.0																3	3	5	22																
18/ 17																					1	10															
16/ 15																					4																
TOTAL	1.0	16.5	20.4	14.7	11.3	9.2	7.0	5.4	4.4	3.1	2.7	1.2	1.1	.8	.4	.4	.3	7195		7200		7195															

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-22

QCT

PAGE 1 ~~0000-0200~~

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														
72/ 71												.1	.1					2	2																
70/ 69												.1						1	1																
62/ 61					.1							.1						2	2																
60/ 59				.1				.2										3	3																
58/ 57					.2	.4	.4											10	10																
56/ 55			.1	.3	.2	.3	.4											13	13	2															
54/ 53		.1	.3	.6	1.3	1.0	.4											35	35	4															
52/ 51		.4	.4	.8	1.2	.4												30	30	1	1														
50/ 49		.3	1.4	1.7	1.3	.5	.1											50	50	15	4														
48/ 47		.8	1.8	1.2	.8	.4												46	46	23	4														
46/ 45		2.2	1.3	2.7	.8													64	64	65	15														
44/ 43	.2	2.5	4.0	2.4	.4													68	68	75	29														
42/ 41	.2	2.5	3.6	2.6	.2	.1												85	85	77	43														
40/ 39	.9	2.8	3.7	2.9	.4													92	92	100	60														
38/ 37	.2	2.8	2.6	1.7														68	68	100	65														
36/ 35	.2	3.6	1.5	.8	.1													57	57	85	63														
34/ 33	.3	2.9	1.7	.6														52	52	90	88														
32/ 31	1.2	3.7	3.2	.5														80	80	65	109														
30/ 29	.5	2.3	1.2	.2														39	40	65	103														
28/ 27	.1	1.3	.5															18	18	48	69														
26/ 25		2.4	.5															27	27	30	55														
24/ 23	.1	.9	.4															13	13	26	34														
22/ 21	.3	1.3	.4															16	16	17	49														
20/ 19	.3	.8	.5															15	15	15	34														
18/ 17	.1	.2	.1															4	4	11	21														
16/ 15		.9																8	8	5	18														
14/ 13		.4																4	4	9	16														
12/ 11																				1	6														
10/ 9																					9														
8/ 7																					9														
6/ 5																					4														
4/ 3																					1														
TOTAL	4.7	34.4	29.4	19.2	7.0	3.2	1.4	.2	.3	.1								929	930	929	929														
Element (X)	Σx ²		Σx		Σ		Σx		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	5025947		66957		72.114		683		929		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	1508098		36462		39.2		9.195		930				22.5		.3								93												
Wet Bulb	1233152		33070		35.6		7.764		929				29.2										93												
Dew Point	922880		28232		30.4		8.364		929				51.8										93												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-62

001

STATION

STATION NAME

YEARS

PAGE 1 0300-0500

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														
68/ 67									.3										2			2														
66/ 59									.1	.1									3			3														
58/ 57						.1	.1	.1											3			3														
56/ 55			.2		.2	.2	.2												8			8														
54/ 53			.2	.3	.4	1.0	.1												19	19		3														
52/ 51		.3	.6	.5	1.2	.4													29	29		3														
50/ 49			1.1	1.1	1.2	.4													35	35		8	3													
48/ 47		1.1	1.9	1.1	.8	.4													49	49	12	3														
46/ 45		2.8	2.2	2.3	1.0	.1													77	77	43	8														
44/ 43	.4	1.7	2.7	1.3	.5														62	62	85	19														
42/ 41	.2	2.2	3.0	2.3	.1	.2													74	74	67	45														
40/ 39	.5	3.8	4.4	2.4															103	103	93	51														
38/ 37	.4	3.6	3.8	.5															77	77	95	69														
36/ 35		3.2	2.5	.6															59	59	92	76														
34/ 33	.2	4.4	2.3	1.1															74	75	90	73														
32/ 31	.9	3.4	3.8	.2															77	77	70	112														
30/ 29	1.4	2.4	1.1																45	45	68	123														
28/ 27	.9	1.4	.9																29	29	71	78														
26/ 25	.2	1.9	.1																21	21	27	50														
24/ 23	.3	1.3																	15	15	27	28														
22/ 21	.3	1.5	.1																18	18	17	54														
20/ 19	1.0	1.3	.3																24	24	23	47														
18/ 17	.8	.8																	14	14	18	32														
16/ 15		.6																	6	6	7	26														
14/ 13		.2																	2	2	5	5														
12/ 11	.1	.2																	3	3	4	5														
10/ 9																					1	8														
8/ 7																						13														
4/ 3																						1														
TOTAL	7.6	38.1	31.1	13.7	5.4	2.9	.4	.6	.1											930		929														
																			929		929															
Element (X)	Σ X ²			Σ X			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ		
Rel. Hum.	5300944			68994			74.3			13.809			929			Σ 0 F			Σ 32 F			Σ 67 F			Σ 73 F			Σ 80 F			Σ 93 F			Total		
Dry Bulb	1400092			35078			37.7			9.105			930						25.4			.3												93		
Wet Bulb	1163437			32079			34.5			7.749			929						33.8															93		
Dew Point	884709			27663			29.8			8.106			929						58.3															93		

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

727675 MINOT AFB ND

73-82

OCT

PAGE 1 3600-0800

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																								2	2		
66/ 65								.1																									1	1	
58/ 57						.1	.2																										3	3	
56/ 55			.1	.1	.2	.1	.1																										6	6	1
54/ 53			.4	.1	.1	.5																											11	11	2
52/ 51		.3	.8	.5	.9	1.1	.3																										36	36	1
50/ 49			.8	1.5	.9	.2																											31	31	11
48/ 47		.1	1.2	1.4	.5																												30	30	9
46/ 45		1.6	2.5	2.3	1.0	.1																											69	69	26
44/ 43	.1	2.9	2.6	1.9	.3																												73	73	66
42/ 41	.3	2.3	3.0	2.6	.3																												79	79	87
40/ 39	.3	3.5	3.7	2.4	.1																												92	92	78
38/ 37	.8	4.4	4.2	.4	.1																												92	92	105
36/ 35		4.3	2.7	.6																													71	71	101
34/ 33	.4	3.2	3.5	1.0																													75	77	94
32/ 31	.8	5.0	3.1	.1																													83	84	68
30/ 29	1.7	1.9	1.2	.2																													47	47	91
28/ 27	.6	2.5	.5																														34	34	65
26/ 25	.2	1.6																															17	17	36
24/ 23	.3	.6	.3																														12	12	17
22/ 21	.2	1.7	.1																														19	19	16
20/ 19	.9	.8																															15	15	23
18/ 17	.2	1.2																															13	13	5
16/ 15		.6																															6	6	9
14/ 13		.4																															4	4	7
12/ 11		.2																															2	2	4
10/ 9	.1	.1																															2	2	3
8/ 7	.2																																2	2	2
6/ 5																																			
TOTAL	7.239	4.330	6.152	4.4	2.2	.8	.2																										927	930	927

USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

REF

STATION

STATION NAME

YEARS

PAGE 1 2922-1100

3933-1130

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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

73-82

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PAGE 2 1900-1100

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-82

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1900

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																					1	1	
84/ 83															.1																			1	1	
82/ 81													.2	.1																				3	3	
80/ 79												.1	.3	.1																			5	5		
78/ 77												.2	.1	.6																			9	9		
76/ 75									.1	.1	.2	1.1	.2																				16	16		
74/ 73									.1	.6	.5	.8			.1																			20	20	
72/ 71									.1	.4	.4	.3	.4																					16	16	
70/ 69							.1	.3	.9	.9	.2	.3																						25	25	
68/ 67							.3	.3	.4	1.0	.8																							26	26	
66/ 65								1.0	.3	1.5	1.0	.5																						40	40	
64/ 63							.3	.4	.8	1.9	1.0	.2																						43	43	
62/ 61				.2	.1	.4	1.8	1.2	1.1	.5																								50	50	
60/ 59			.1	.3	.3	1.2	.9	1.6	.4																									45	45	
58/ 57		.1	.1	.3	.4	1.0	1.1	1.5																										42	42	
56/ 55		.3	.2	.4	1.0	1.4	1.8	.5	.1																									54	54	
54/ 53			.4	.4	1.1	1.4	1.1	.2																										43	43	
52/ 51			.6	.8	.9	2.6	.3	.3																										51	51	
50/ 49			.5	1.2	3.0	.6	.6																												56	56
48/ 47		.2	1.0	2.2	1.3	1.1	.1																											54	54	
46/ 45		1.2	1.2	1.9	1.3	.3																													55	55
44/ 43	.1	.8	1.1	2.3	1.0	.8																													55	55
42/ 41		1.1	1.5	1.2	.5	.2																													42	42
40/ 39		1.2	.9	1.2	.5	.3																													38	38
38/ 37	.5	.6	.4	.1	.5	.2																												23	23	
36/ 35		1.5	1.5	.4	.2																														34	34
34/ 33	.4	2.7	.6	.4	.4																														43	43
32/ 31	.3	.4	.6	.8																															20	20
30/ 29			.1	.2																															3	3
28/ 27			.3																																3	3
26/ 25		.6	.5																																11	11
24/ 23		.2	.1																																3	3
22/ 21																																				
20/ 19																																				

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

251

STATION

STATION NAME

YEARS

PAGE 2 1200-1400

1220-1400

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										
18/ 17																															20
16/ 15																															14
14/ 13																															9
12/ 11																															13
10/ 9																															2
TOTAL	1.4	11.0	11.9	14.3	12.9	13.3	9.5	10.4	6.6	3.7	2.7	1.8	.4	.1														930	930	930	

PSYCHROMETRIC SUMMARY

001

YEARS

1500-1700

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

QCT

PAGE 2 1500-1700

[illegible]

PSYCHROMETRIC SUMMARY

73-62

ACT

PAGE 1 1600-2000

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

13-B2

QCT

PAGE 2 1630-2000

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

OCT

MONTH

PAGE 1

2100-2300

HOURS OF DAY

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										.1								1		1																
72/ 71										.1								1		1																
70/ 69										.1								1		1																
68/ 67										.1								1		1																
64/ 63						.1				.1								2		2																
62/ 61				.1						.2								6		6																
60/ 59				.1	.1	.3	.1	.2		.3								8		8																
58/ 57				.2	.4	1.0	.1											16		16																
56/ 55			.3	1.0	.5	.8	.6											30		30		3														
54/ 53		.3	.8	1.6	1.3	1.9	.2											57		57		4														
52/ 51		.2	.2	1.3	1.5	1.2	.2											43		43		12														
50/ 49		.3	.8	1.8	1.5	.2												43		43		6														
48/ 47		1.4	.8	1.4	.8	.2												42		42		11														
46/ 45		1.3	1.8	2.7	1.7	.3												73		73		63														
44/ 43	.1	2.3	2.6	2.8	.8													79		79		72														
42/ 41		1.7	3.8	2.9	.5	.2												85		85		81														
40/ 39	.8	2.7	3.1	2.7	.5													91		91		88														
38/ 37	.4	2.5	2.3	1.8	.2													67		67		113														
36/ 35	.1	2.4	1.7	.5	.4													48		48		74														
34/ 33	.2	3.3	2.8	1.1	.3													69		69		83														
32/ 31	.9	3.9	1.2	.4														59		59		71														
30/ 29	.3	1.8	.6	.4														30		30		65														
28/ 27	.2	1.0	1.1	.1														22		22		38														
26/ 25	.2	1.0	1.0															20		20		25														
24/ 23	.2	.5	.5															12		12		37														
22/ 21		.2	.4															6		6		18														
20/ 19		.4	.3															7		7		3														
18/ 17		.6	.1															7		7		8														
16/ 15		.2																2		2		9														
14/ 13		.1																1		1		1														
12/ 11																						1														
10/ 9																						7														
8/ 7																						8														
6/ 5																						3														
Element (X)	Σ X ²			Σ X			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ		
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

. OCT

PAGE 2 - 2100-2300

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB NO

STATION NAME

73-82

YEARS

OCT

PAGE 1

ALL

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

257

PAGE 2

ALL

[illegible]

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND

73-82

NDV

PAGE 1 0000-0200

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																		2			2																
54/ 53																		2			2																
52/ 51																		7			7																
50/ 49																		11			11		1														
48/ 47																		6			6		1														
46/ 45																		16			16		2														
44/ 43																		14			14		9														
42/ 41																		16			16		15														
40/ 39																		31			31		11														
38/ 37																		32			32		22														
36/ 35																		33			33		30														
34/ 33																		64			64		40														
32/ 31																		82			83		77														
30/ 29																		47			47		73														
28/ 27																		43			44		56														
26/ 25																		55			55		54														
24/ 23																		46			46		79														
22/ 21																		52			52		65														
20/ 19																		59			59		40														
18/ 17																		45			45		52														
16/ 15																		44			44		48														
14/ 13																		30			30		33														
12/ 11																		26			26		33														
10/ 9																		24			24		31														
8/ 7																		16			16		16														
6/ 5																		10			10		13														
4/ 3																		18			18		19														
2/ 1																		20			20		21														
0/ -1																		8			8		9														
-2/ -3																		4			4		4														
-4/ -5																		6			6		7														
-6/ -7																		13			13		13														
-8/ -9																		2			2		2														
-10/-11																		5			5		5														
Element (X)	ΣX ²		ΣX		Σ		Σ		Σ		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																																					

PSYCHROMETRIC SUMMARY

73-82

421

PAGE 2 ~~0000-0213~~

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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

727675
STATION

MINOT AFB NO

STATION NAME

73-82

YEARS

N3V

MOON

PAGE 1 0300-0500

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														
54/ 53				.2	.1		.2					.1						1	1																
52/ 51				.1	.2		.1					.1						5	5																
50/ 49				.2	.3		.1											5	5																
48/ 47		.2	.2	.3		.1												8	8	2															
46/ 45			.2	.3	.7	.6												16	16	4	1														
44/ 43		.4	.6		.1	.1												11	11	6	4														
42/ 41		.2	.7	.4	.1													13	13	10	3														
40/ 39		.2	1.7	.9	.1													26	26	17	1														
38/ 37	.3	.3	1.2	.8	1.1													34	34	19	10														
36/ 35		.7	.8	.7	.4													23	23	26	11														
34/ 33	.1	1.3	2.6	1.1	.1													47	47	28	16														
32/ 31	.9	6.4	2.3	.8														93	93	53	25														
30/ 29	1.1	4.1	1.3	.4														63	63	105	39														
28/ 27	.1	2.3	1.1	.3														35	37	58	55														
26/ 25	.7	5.4	.8															61	62	52	80														
24/ 23	.7	3.6	.8															45	45	76	36														
22/ 21	1.2	4.6	.3															55	55	67	50														
20/ 19	2.2	5.7	.2															73	73	53	78														
18/ 17	.7	4.2																44	44	57	70														
16/ 15	.7	3.0																33	33	36	67														
14/ 13	1.0	3.1																37	37	35	62														
12/ 11	.7	1.3	.2															20	20	32	51														
10/ 9	.6	1.2																16	16	22	46														
8/ 7	.7	2.0																24	24	24	24														
6/ 5	.2	.9																10	10	14	17														
4/ 3	1.2	1.1																21	21	21	16														
2/ 1	1.4	.8																20	20	21	29														
0/ -1	1.9																	17	17	18	15														
-2/ -3	.7	.1																7	7	6	22														
-4/ -5	.9																	8	8	9	19														
-6/ -7	.6																	5	5	5	9														
-8/ -9	.3																	3	3	3	4														
-10/ -11	.3																	3	3	3	5														
-12/ -13	.2																	2	2	2	7														
Element (X)	Σ X'					Σ X					X̄					σ _x					No. Obs.					Mean No. of Hours with Temperature									
Rel. Num.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

727675

MINOT AFB NO

73-82

434

STATION

STATION NAME

YEARS

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PAGE 2 0300-0500

0300-0500

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/-15	.6																		5	5	5	6										
-16/-17	.3																		3	3	3	4										
-18/-19	.6																		5	5	5	4										
-20/-21																						4										
-22/-23																						3										
-24/-25																						3										
-26/-27																						1										
TOTAL	20.8	53.3	15.4	6.5	2.7	1.1	.2													900		897										
																			897		897											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV
MONTH

PAGE 1

0600-0800
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																																				
58/ 57								.1										1	1																																						
56/ 55							.2											2	2																																						
54/ 53			.2															2	2																																						
52/ 51			.1															1	1																																						
50/ 49				.3			.1											4	4		3																																				
48/ 47				.1		.2	.1											4	4																																						
46/ 45		.1		.2	.2													5	5		3																																				
44/ 43		.2	.3	.2	.2	.2												11	11		8																																				
42/ 41		.3	.1	.1	.1													6	6		6																																				
40/ 39		.1	2.2	1.0	.6													35	35		4																																				
38/ 37	.1	.6	1.0	.7	1.1													31	31	15	6																																				
36/ 35	.1	1.0	1.3	.2	.3													27	27	33	8																																				
34/ 33		1.6	1.9	.3	.2													36	36	25	12																																				
32/ 31	.8	5.1	2.2	.8														80	80	60	24																																				
30/ 29	1.7	6.7	.9	.4														87	87	80	50																																				
28/ 27	.8	3.5	.6	.2														45	45	89	55																																				
26/ 25	1.6	5.0	1.1															69	71	65	70																																				
24/ 23	.6	2.6	.8															35	35	63	48																																				
22/ 21	.7	3.7																39	39	50	56																																				
20/ 19	1.9	6.8	.3															81	81	58	76																																				
18/ 17	1.1	4.0																46	46	66	48																																				
16/ 15	.8	3.2																36	36	36	76																																				
14/ 13	1.4	2.1																32	32	40	69																																				
12/ 11	.9	1.2																19	19	26	44																																				
10/ 9	1.0	1.3																21	21	17	50																																				
8/ 7	.3	2.4																25	25	25	26																																				
6/ 5	.4	1.3																16	16	20	15																																				
4/ 3	.7	1.0																15	15	17	14																																				
2/ 1	1.0	2.0																27	27	20	30																																				
0/ -1	1.0	.1																10	10	19	16																																				
-2/ -3	1.2	.1																12	12	13	14																																				
-4/ -5	.9																	8	8	8	22																																				
-6/ -7	.6																	5	5	5	16																																				
-8/ -9	.7																	6	6	6	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																																																									

PSYCHROMETRIC SUMMARY

727675	MINOT AFB ND
STATION	STATION NAME

73-82

YEARS

NOV
1957

PAGE 2 ~~0600-0800~~
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NDV
MONTH

PAGE 1 0900-1100

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															
64/ 63							.1																										1	1																
62/ 61																																	1	1																
60/ 59							.1																										2	2																
58/ 57						.1	.1																										4	4																
56/ 55						.1	.2																										4	4																
54/ 53				.2		.4	.1																									8	8		1															
52/ 51				.1	.1	.1	.8	.3																								13	13		1															
50/ 49				.1	.2	.4	.7	.4																								17	17		7															
48/ 47						.4	.3	.4																									11	11		3														
46/ 45			.3	.3	1.4	.2	.1																										22	22		9														
44/ 43			.1	.6	1.1	.6	.6																										26	26		17														
42/ 41			.1	.7	.6	.4	.1																										17	17		17														
40/ 39			.4	1.1	1.0	.9	.7																										37	37		31														
38/ 37			.3	1.6	.8	.3	.1																										28	28		33														
36/ 35	.1	1.1	1.3	.8	.3	.1																											34	34		30														
34/ 33	.2	1.8	2.1	.8	.2																												46	46		45														
32/ 31	.7	3.6	3.9	1.2	.2																												86	86		50														
30/ 29	1.4	3.4	2.7	.6																													73	73		79														
28/ 27	.4	3.8	1.2	.2																													51	51		87														
26/ 25	.8	4.2	.7																														51	51		78														
24/ 23		2.8	.4																														29	29		53														
22/ 21	.8	3.8	.4	.1																													46	46		47														
20/ 19	1.4	6.0	.1																														68	68		53														
18/ 17	.2	3.2	.1																														32	32		44														
16/ 15	.7	3.0																															33	33		39														
14/ 13	.4	2.0																															22	22		29														
12/ 11	.4	1.3	.1																														17	17		17														
10/ 9	.3	1.4																															16	16		19														
8/ 7	.3	1.6																															17	17		20														
6/ 5	.2	1.3																															14	14		20														
4/ 3	.4	.6																															9	9		10														
2/ 1	.8	1.1																															17	17		12														
0/ -1	.9	.4																															12	12		14														
Element (X)	Σ x'					Σ x					Σ					Σ					Σ					Σ					Σ					Σ					Σ					Σ				
Rel. Hum.																																																		
Dry Bulb																																																		
Wet Bulb																																																		
Dew Point																																																		
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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

NOV

PAGE 2 ~~3953-1100~~

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	.7																		6	6	10	16														
-4/-5	.4	.2																	6	6	5	8														
-6/-7	1.1																		10	10	11	7														
-8/-9	.3																		3	1	3	9														
-10/-11	.3																		3	3	3	11														
-12/-13	.2																		2	2	2	1														
-14/-15	.2																		2	2	2	5														
-16/-17	.1																		1	1	1	7														
-18/-19	.1																		1	1	1	6														
-20/-21																						2														
-22/-23																						1														
-26/-27																						1														
TOTAL	14.2	48.0	17.8	9.3	4.8	4.2	1.0	.4	.1	.1										900		900														
																			900		900															

PSYCHROMETRIC SUMMARY

— **N2Y**

PAGE 1 1200-1400

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																			1	1															
72/ 71											.1	.1	.1						3	3															
70/ 69													.1						1	1															
66/ 67											.2	.1							3	3															
66/ 65											.1	.1	.2	.1					5	5															
64/ 63											.1	.3	.2						6	6															
62/ 61									.1	.3	.3	.1							8	8															
60/ 59							.7	.4	.7										16	16															
58/ 57						.1	.8	.7	.2	.2									18	18		2													
56/ 55			.2			.2	.7	.4	.4	.1									19	19		2													
54/ 53						.3	.8	.7	.2										18	18		2													
52/ 51			.1			.4	.7	1.1	.1										22	22		6													
50/ 49		.1	.1	.2	1.0	1.0	.3	.1	.1										27	27	19	1													
48/ 47				.6	1.0	.3	.8	.2											26	26	22	2													
46/ 45				.9	.8	1.0	.1	.3											28	28	27	2													
44/ 43			.1	.9	.7	.2	.6	.1											23	23	23	1													
42/ 41			.4	1.4	.7	.7	.2												31	31	31	8													
40/ 39		.3	1.1	1.6	1.1	.6													42	42	34	12													
38/ 37	.1	.4	.8	1.3	1.4	.2													39	39	40	15													
36/ 35		1.1	1.3	2.3	1.0														52	52	43	23													
34/ 33	.3	1.7	2.4	1.9	.3														60	60	54	33													
32/ 31	.4	2.1	2.8	.8															55	55	73	49													
30/ 29	.9	1.9	1.2	.4															40	40	81	54													
28/ 27	.8	3.9	1.2	.2															55	55	75	62													
26/ 25	.3	2.7	.8	.1															35	35	56	69													
24/ 23		1.7	.9																23	23	47	44													
22/ 21	.4	4.1	.8	.1															49	49	34	56													
20/ 19	.3	3.1	.7																37	37	39	89													
18/ 17	.2	1.9	.2	.1															22	22	39	54													
16/ 15	.6	2.0	.4																27	27	22	67													
14/ 13	.2	1.8	.1																19	19	24	53													
12/ 11	.1	1.1																	11	11	16	30													
10/ 9		1.8																	16	16	20	33													
8/ 7	.3	1.8																	19	19	17	16													
Element (X)	Σ x ²			Σ x			Σ			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																																			

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

NDV

PAGE 2 -1200-1400

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV
MONTH

PAGE 1 1500-1700
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														
76/ 75											.1							1	1																
74/ 73										.1								1	1																
72/ 71									.2									2	2																
70/ 69									.1		.2							3	3																
68/ 67									.1		.1							2	2																
66/ 65											.1							1	1																
64/ 63							.3		.2	.1								6	6																
62/ 61						.2	.4	.3	.2									11	11																
60/ 59						.7	.1	.8	.3									17	17																
58/ 57					.2	.3	.8	.6	.3									20	20																
56/ 55					.1	.8	.6	.2										15	15	4															
54/ 53		.2			.7	.9	.8	.2										25	25	2															
52/ 51		.2	.2	.1	1.0	.6	.7	.1										26	26	8															
50/ 49			.2	1.1	1.1	.4	.2	.1										29	29	17	1														
48/ 47			.1	.3	.8	.8	.8	.2										27	27	22	2														
46/ 45				.8	.3	.4	.1											22	22	26															
44/ 43			.1	.4	1.2	.3	.4	.1										24	24	27	4														
42/ 41			.3	1.1	.9	.4	.2											27	27	30	12														
40/ 39		.1	1.1	.8	1.3	1.0												39	39	36	11														
38/ 37		.4	1.2	1.3	1.3	.4												40	40	37	13														
36/ 35	.2	.7	1.4	1.9	1.1													48	48	45	15														
34/ 33	.4	1.3	2.0	1.0	.4													47	47	53	23														
32/ 31	1.0	2.4	4.0	1.0	.1													77	77	76	81														
30/ 29	.7	2.0	2.4	.2														48	48	72	46														
28/ 27	.7	3.3	1.0	.1														43	43	77	45														
26/ 25		2.1	1.4															32	32	66	79														
24/ 23		2.1	.9	.2														29	29	36	32														
22/ 21	.2	3.7	1.3	.2														49	49	45	57														
20/ 19	.6	3.6	.3	.3														43	43	38	93														
18/ 17		1.2	.4															15	15	37	59														
16/ 15	.6	2.0	.2															25	25	21	55														
14/ 13	.2	1.4	.1															16	16	22	54														
12/ 11	.1	1.2																12	12	15	58														
10/ 9		2.3																21	21	21	21														
Element (X)	Σ X ²				Σ X				Σ				Σ				Σ				Σ				Σ										
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

NY

PAGE 2 1500-1700

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	1.4	.1															15	15	15	10																
6/ 5	.1	.2																3	3	13	24																
4/ 3		.6																5	5	3	18																
2/ 1		.9																8	8	5	22																
0/ -1	.9	.2																9	9	13	15																
-2/ -3	.2	.6																7	7	6	11																
-4/ -5	.3																	3	3	5	3																
-6/ -7	.7																	6	6	6	5																
-8/ -9	.1																	1	1	1	10																
-10/-11																					6																
-12/-13																					2																
-14/-15																					9																
-16/-17																					6																
-18/-19																					1																
TOTAL	7.0	33.6	19.1	10.2	9.9	8.3	5.9	3.6	1.7	.3	.4								900		900																

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3645694	54828	60.918	436	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1172667	29331	32.615	528	900	2.6	46.7	.9	.2			90
Wet Bulb	431054	25022	27.812	272	900	3.1	59.3					90
Dew Point	455590	17190	19.111	898	900	6.8	82.2					90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV
MONTH

PAGE 1 1800-2000

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				
56/ 55					.2	.1	.1	.3																										7	7				
54/ 53				.1	.4	.1	.1																											7	7				
52/ 51			.2	.2	.3	.1	.1																											9	9				
50/ 49			.4	1.0	.8	.2	.2	.1																										25	25	2			
46/ 47			.3	.2	.3	.1	.1																											10	10	8			
46/ 45		.1	.1	.6	1.4	.1	.2																											23	23	9	2		
44/ 43		.1	.8	.8	.9	.3	.2																											28	28	23	1		
42/ 41		.2	.4	1.3	.1	.6																												24	24	14	6		
40/ 39		.1	1.1	.8	1.0	.1																												28	28	24	13		
38/ 37		.8	1.7	.7	.4	.2																												34	34	29	10		
36/ 35		1.4	1.1	.9	.3	.1																												35	35	37	21		
34/ 33	.7	1.2	2.2	1.0	.8																													53	53	47	13		
32/ 31	1.4	3.3	3.7	1.0	.6																													90	90	61	55		
30/ 29	.7	3.2	2.0	.4																														57	57	69	43		
28/ 27	.4	4.1	1.1	.1																														52	52	76	48		
26/ 25	.6	4.2	.8	.2																														52	52	80	57		
24/ 23	.1	2.4	.6	.1																														29	29	62	48		
22/ 21	.6	5.2	1.2																															63	63	44	46		
20/ 19	.6	5.0	.6																															55	55	56	81		
18/ 17	.4	2.2	.4																															28	28	46	70		
16/ 15	1.0	2.6	.3																															35	35	37	62		
14/ 13	.7	1.9	.2																															25	25	26	54		
12/ 11	.6	1.3	.1																															18	18	22	53		
10/ 9	.9	.8																																15	15	22	43		
8/ 7	.3	1.7																																18	18	16	22		
6/ 5	.2	.6																																7	7	16	23		
4/ 3	1.3	.3																																15	15	14	16		
2/ 1		1.1																																10	10	9	17		
0/ -1	.8	.4																																11	11	9	23		
-2/ -3	.4	.2																																6	6	10	10		
-4/ -5	.6	.4																																9	9	7	7		
-6/ -7	.7																																	6	6	8	12		
-8/ -9	.7																																	6	6	6	8		
Element (X)	Σx^2			Σx			$\bar{x}$	σ_x	No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$													Total										
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26-3-OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

73-62

MCV

PAGE 2 1800-2000

[illegible]

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-32

NDY

PAGE 1

2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND
STATION STATION NAME

73-82

NDY

PAGE 2 2130-2300

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

— 23 —

PAGE 1

ALL

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										.0								2	2																	
72/ 71									.0	.0	.0							5	5																	
70/ 69									.0	.0	.0	.0						4	4																	
68/ 67									.0	.0	.0							5	5																	
66/ 65									.0	.0	.0	.0						8	8																	
64/ 63						.0	.0	.0	.1	.0								13	13																	
62/ 61						.0	.1	.1	.1	.0								20	20																	
60/ 59						.2	.1	.2	.0									36	36																	
58/ 57					.1	.2	.2	.1	.1									43	43	2																
56/ 55			.0		.1	.2	.2	.1	.0									52	52	6																
54/ 53			.1	.0	.3	.2	.2	.1										67	67	5																
52/ 51			.2	.1	.2	.4	.3	.1	.0									94	94	15																
50/ 49		.0	.2	.3	.5	.4	.2	.1	.0									124	124	51	2															
48/ 47		.1	.1	.3	.4	.3	.2	.1										103	103	63	7															
46/ 45		.1	.2	.7	.6	.3	.1	.1										149	149	91	13															
44/ 43		.2	.4	.6	.5	.3	.2	.0										152	152	122	17															
42/ 41		.2	.5	.8	.3	.3	.1											155	155	144	37															
40/ 39		.2	1.4	1.1	.7	.3												271	271	177	68															
38/ 37	.1	.4	1.2	.9	.8	.1												262	262	212	90															
36/ 35	.1	1.0	1.4	1.0	.6	.0												300	300	273	122															
34/ 33	.3	1.7	2.3	1.0	.4													405	405	341	142															
32/ 31	.9	4.0	2.8	.9	.2													630	631	510	369															
30/ 29	.9	3.4	1.7	.4	.0													470	470	621	341															
28/ 27	.6	3.2	1.2	.2														375	378	585	431															
26/ 25	.7	4.0	.9	.1														402	405	520	580															
24/ 23	.3	2.8	.7	.1														280	280	475	323															
22/ 21	.8	4.3	.6	.1														411	411	425	399															
20/ 19	1.3	4.9	.3	.0														474	474	383	645															
18/ 17	.5	3.2	.3	.0														285	285	406	496															
16/ 15	.7	3.0	.2															277	277	275	550															
14/ 13	.6	2.2	.1															209	209	244	459															
12/ 11	.5	1.4	.1															141	141	191	382															
10/ 9	.6	1.5																146	146	174	320															
Element (X)	Σ x ³			Σ x ²			Σ 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																																				

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

43

STATION

STATION NAME

YEARS

4047

PAGE 2

414

MO:RS S T

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

DEF

PAGE 1 ~~0000-0200~~

[illegible]

PSYCHROMETRIC SUMMARY

13-32

YEARS

DEC
MONTH

PAGE 2 0000-0200
MO: 05 11 5 11

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 DEC 3000-0500

PAGE 1

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															
40/ 39			.1															1	1																	
38/ 37		.8	.6	.3														16	16																	
36/ 35		.4	1.5	.4														22	22	10																
34/ 33		1.1	1.0	.1														20	20	21	2															
32/ 31	.4	2.3	1.5															39	39	23	22															
30/ 29	.5	1.3	1.5															31	31	37	14															
28/ 27		3.4	.4															36	36	37	21															
26/ 25	.5	2.3	1.1															36	36	46	29															
24/ 23	.9	2.0																27	27	39	26															
22/ 21	1.6	4.1	.3															56	56	53	54															
20/ 19	1.3	5.9	.3															70	70	50	56															
18/ 17	1.4	3.8																48	48	65	38															
16/ 15	1.1	4.1	.1															49	49	41	58															
14/ 13	1.0	3.2	.1															40	40	45	47															
12/ 11	.6	3.1	.3															38	38	33	43															
10/ 9	1.8	3.4																49	49	55	48															
8/ 7	1.3	3.1																41	41	50	44															
6/ 5	1.1	2.0																29	29	40	31															
4/ 3	1.6	3.3																46	46	44	29															
2/ 1	1.1	2.9																37	37	31	43															
0/ -1	1.5	1.0																23	23	25	37															
-2/ -3	1.6	.4																19	19	25	43															
-4/ -5	2.3	.4																25	25	24	33															
-6/ -7	2.9	.2																29	29	32	22															
-8/ -9	2.0																	19	19	20	13															
-10/-11	1.8																	17	17	17	12															
-12/-13	1.3																	12	12	12	17															
-14/-15	1.2																	11	11	11	20															
-16/-17	1.0																	9	9	9	25															
-18/-19	1.5																	14	14	14	22															
-20/-21	1.2																	11	11	11	15															
-22/-23	.5																	5	5	5	16															
-24/-25	.2																	2	2	2	14															
-26/-27																																				
Element (X)	Σ x ²		Σ x		Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	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																																				

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND

73-82

DEC

PAGE 2 ~~0300-0500~~
HOURS S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

DEC

PAGE 1 ~~0600-0000~~

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 DEC
STATION STATION NAME YEARS MONTH

PAGE 2 0600-0800
HOURS 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														
-26/-27	.2																	2	2	2	8														
-28/-29	.2																	2	2	2	7														
-30/-31	.1																	1	1	1	13														
-32/-33																					4														
-34/-35																					5														
-36/-37																					2														
-38/-39																					2														
-40/-41																					1														
TOTAL	36.1	55.5	7.3	1.0	.1															930	930	930													
																		930		930															

Element (X)	ΣX^1	ΣX	ΣX^2	ΣX^3	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5286711	69373	74.6	10.973	930	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	328549	10767	11.6	14.815	930	21.5	86.8					93
Wet Bulb	290191	9841	10.6	14.152	930	22.8	90.1					93
Dew Point	260666	9616	5.0	15.998	930	32.8	92.8					93

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

23-82

DEC

PAGE 1 ~~3903-1130~~

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027.05121

PAGE 2 ~~0900-1100~~

DEC
MON

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

727575 STATION MINOT AFB ND 73-A2 YEARS MONTH DEC

PAGE 1 1200-1400

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								.1												1	1																																							
52/ 51							.1													1	1																																							
50/ 49					.1															1	1																																							
48/ 47				.1		.2														3	3																																							
46/ 45			.1	.2	.3	.2														8	8																																							
44/ 43		.1	.1	.5	.1															10	10	1																																						
42/ 41		.1	.3	.9	.2															14	14	5																																						
40/ 39		.1	1.0	1.4	.3															26	26	10																																						
38/ 37		.6	1.5	.6																26	26	14	3																																					
36/ 35		.2	.9	1.2																21	21	31	3																																					
34/ 33		.9	2.2	.6																34	34	27	8																																					
32/ 31	.5	1.3	2.6	.2																43	43	35	30																																					
30/ 29	.3	1.5	2.9	.2																46	46	43	23																																					
28/ 27	1.0	2.4	1.4																	44	44	55	30																																					
26/ 25	.3	3.3	.9																	42	42	56	39																																					
24/ 23	.1	3.5	.5																	39	39	55	35																																					
22/ 21	1.1	4.3	.8																	57	57	48	62																																					
20/ 19	2.0	4.5	.5																	66	66	66	81																																					
18/ 17	.6	4.3	.4																	50	50	52	58																																					
16/ 15	.3	3.7	.2																	39	39	41	43																																					
14/ 13	.3	3.1																		32	32	35	50																																					
12/ 11	.4	2.8	.1																	31	31	37	43																																					
10/ 9	.1	3.1	.1																	31	31	33	37																																					
8/ 7	.5	2.8																		31	31	38	32																																					
6/ 5		2.2																		20	20	19	19																																					
4/ 3	.8	1.8																		24	24	30	38																																					
2/ 1	.3	4.2																		42	42	39	26																																					
0/ -1	1.6	1.3																		27	27	30	27																																					
-2/ -3	2.3	1.3																		33	33	39	21																																					
-4/ -5	1.0	.6																		15	15	13	17																																					
-6/ -7	1.4																			13	13	18	26																																					
-8/ -9	1.1																			10	10	10	28																																					
-10/ -11	1.8																			17	17	17	27																																					
-12/ -13	1.1																			10	10	10	13																																					
Element (X)	Σ x ²					Σ x					Σ					Σ ²					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																																																												

USAFETAC FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

DEC

PAGE 2 1220-1420

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/-15	1.2																		11	11	11	22															
-16/-17	.8																		7	7	7	22															
-18/-19	.2																		2	2	2	17															
-20/-21	.1																		1	1	1	15															
-22/-23	.1																		1	1	1	15															
-24/-25	.1																		1	1	1	9															
-26/-27																						6															
-30/-31																						3															
-34/-35																						1															
-36/-37																						1															
TOTAL	21.5	54.1	16.7	6.0	1.1	.5	.1												930	930	930	930															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

DEC
MONTH

PAGE 1 1500-1700

HOURS G. 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/ 59																		1	1																
56/ 57										.1								1	1																
56/ 55										.1								1	1																
48/ 47					.3	.3	.1											7	7																
46/ 45		.1			.2	.2	.1											6	6		2														
44/ 43			.1		.2	.2												3	3		2														
42/ 41			.5		.5	.1												11	11		4														
40/ 39		.3	1.7		.8	.4												30	30		6														
38/ 37		.8	1.4		.6	.3												29	29		17														
36/ 35		.9	1.3		.4													24	24		31														
34/ 33		1.1	2.3		.5													36	36		29														
32/ 31	.5	1.9	2.3															44	44		41														
30/ 29	.8	3.2	1.7		.1													54	54		47														
28/ 27	.4	2.6	1.7		.2													46	46		50														
26/ 25	.9	4.8	.9		.1													62	62		58														
24/ 23	.1	3.7	.8															42	42		64														
22/ 21	.3	3.3	.4															38	38		51														
20/ 19	.6	3.8	.4															45	45		36														
18/ 17	.3	3.9	.2															41	41		41														
16/ 15		3.8	.1															36	36		44														
14/ 13	.4	4.5																46	46		27														
12/ 11	.8	2.8	.4															35	35		53														
10/ 9	.4	3.1	.5															38	38		34														
8/ 7	.3	2.6	.1															28	28		39														
6/ 5		1.8																17	17		26														
4/ 3	.3	2.2																23	23		26														
2/ 1	.3	3.8																38	38		27														
0/ -1	2.2	1.9																38	38		38														
-2/ -3	1.8	.9																25	25		39														
-4/ -5	1.1	1.1																19	19		13														
-6/ -7	1.5	.1																15	15		23														
-8/ -9	.8																	7	7		8														
-10/ -11	1.7																	16	16		16														
-12/ -13	.8																	7	7		7														
Element (X)	Σ X ²			Σ X			Σ	Σ _x	No. Obs.			Mean No. of Hours with Temperature										Total													
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

DEC

PAGE 2 1570-1700

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PSYCHROMETRIC SUMMARY

DEC

YEARS

1620-2002

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													
52/ 51																		1	1													
48/ 47					.2													2	2													
46/ 45					.2													2	2	1												
44/ 43						.1												1	1	1												
42/ 41						.1												1	1	3												
40/ 39		.3	.6	.9														17	17	1												
38/ 37			1.3	.2														14	14	4	1											
36/ 35			.4	.8														11	11	12	7											
34/ 33	.1	1.6	1.2															27	27	29	4											
32/ 31	.4	2.8	1.8															47	47	22	12											
30/ 29	.4	2.9	1.0															40	40	42	33											
28/ 27	.4	4.4	.8															52	52	53	28											
26/ 25	.1	5.7	.2															56	56	56	41											
24/ 23	.3	3.3	.2	.1														37	37	59	25											
22/ 21	.3	4.7	.6															53	53	55	59											
20/ 19	.5	5.8	.4															63	63	49	80											
18/ 17	1.7	2.8	.1															43	43	62	42											
16/ 15	.4	3.2																34	34	34	49											
14/ 13	.5	3.8																40	40	30	50											
12/ 11	.5	1.9																23	23	38	26											
10/ 9	.6	3.0	.1															35	35	32	47											
8/ 7	.4	3.8																39	39	36	42											
6/ 5	.3	2.3																24	24	36	14											
4/ 3	1.1	2.0																29	29	30	20											
2/ 1	1.1	3.7																44	44	34	46											
0/ -1	2.4	.5																27	27	39	26											
-2/ -3	3.5	.8																39	39	43	24											
-4/ -5	1.6	.9																23	23	17	30											
-6/ -7	1.6	.2																17	17	22	28											
-8/ -9	3.3																	31	31	33	25											
-10/-11	1.1																	10	10	10	30											
-12/-13	.4																	4	4	4	15											
-14/-15	1.1																	10	10	10	19											
Element (X)	ΣX ²		ΣX		Σ		Σ		Σ		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																																

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-02

DEC

STATION

STATION NAME

YEARS

PAGE ? 1600-2000

MS 85 8 9

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 DEC
STATION STATION NAME YEARS 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														
46/ 45				.1														1	1																
42/ 41			.3	.4														7	7																
40/ 39		.1	.6	.9														15	15	1															
38/ 37		.2	1.6	.1														18	18	8															
36/ 35		.1	.8	.1														9	9	9	1														
34/ 33		1.1	.8															17	17	29	4														
32/ 31	.5	1.0	2.0															33	33	19	15														
30/ 29	1.1	1.8	1.1															37	37	28	23														
28/ 27	1.1	4.0	.1															48	48	53	28														
26/ 25	.2	4.3	.2															44	44	46	38														
24/ 23	.3	3.3	.2															36	36	57	30														
22/ 21	1.4	5.2	1.2															72	72	60	44														
20/ 19	1.7	3.8	.9															59	59	49	78														
18/ 17	1.5	4.5	.1															57	57	67	49														
16/ 15	.5	3.6																38	38	46	38														
14/ 13	.3	3.0	.2															33	33	26	61														
12/ 11	.3	3.5	.1															36	36	34	44														
10/ 9	.3	2.0																22	22	37	33														
8/ 7	1.5	2.7																39	39	41	36														
6/ 5	.3	1.5																17	17	25	29														
4/ 3	1.8	2.0																36	36	35	26														
2/ 1	1.1	3.9																46	46	35	30														
0/ -1	1.5	1.1																24	24	30	34														
-2/ -3	3.1	1.0																38	38	44	27														
-4/ -5	2.9	.8																34	34	31	23														
-6/ -7	2.0	.4																23	23	25	24														
-8/ -9	1.6																	15	15	19	35														
-10/ -11	2.3																	21	21	21	26														
-12/ -13	1.4																	13	13	13	17														
-14/ -15	.6																	6	6	6	20														
-16/ -17	.9																	8	8	8	21														
-18/ -19	1.2																	11	11	11	21														
-20/ -21	.6																	6	6	6	23														
-22/ -23	.6																	6	6	6	13														
Element (X)	Σ X ²		Σ X		Σ	Σ X		Σ	Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB NO

73-82

DEC
MINIM

PAGE 2 2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

73-82

DEC

STATION

STATION NAME

YEARS

— 22 —

PAGE 1

ALL
MOSES

[illegible]

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

ALL

PAGE 1

ALL

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																		.3	1	1															
106/105																		.3	1	1															
104/103																		.0	.0	8	8														
102/101															.3	.0	.0	.0	.0	7	7														
100/ 99													.0	.0	.0	.0	.0	.0	.0	38	38														
98/ 97													.0	.0	.0	.0	.0	.0	.0	46	46														
96/ 95											.0	.0	.0	.0	.0	.0	.0	.0	.0	93	94														
94/ 93										.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	156	159														
92/ 91						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	202	207														
90/ 89						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	322	324														
88/ 87						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	403	412														
86/ 85						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	604	609														
84/ 83					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	724	733														
82/ 81					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	846	854														
80/ 79				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1147	1171														
78/ 77			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1277	1298														
76/ 75		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1441	1460														
74/ 73		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1513	1529														
72/ 71		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1839	1860														
70/ 69		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2002	2036														
68/ 67		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1964	1992														
66/ 65		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2272	2302														
64/ 63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2249	2273														
62/ 61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2502	2536														
60/ 59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2443	2473														
58/ 57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2584	2599														
56/ 55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2604	2633														
54/ 53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2653	2669														
52/ 51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2465	2480														
50/ 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2416	2432														
48/ 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1904	1927														
46/ 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2201	2235														
44/ 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2064	2103														
42/ 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1928	1971														
Element (X)	Σ X ²			Σ X			Σ			Σ			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																																			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

ALL

STATION

STATION NAME

YEARS

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																																							
40/ 39	.0	.5	1.1	.7	.2	.1	.0												2238	2284	2609	2861																																						
38/ 37	.1	.7	1.0	.5	.2	.0	.0												2102	2176	2512	2855																																						
36/ 35	.3	.9	1.0	.4	.1	.0	.0												2167	2246	2573	2665																																						
34/ 33	.1	1.2	1.1	.4	.1	.0													2484	2581	2784	2684																																						
32/ 31	.2	1.6	1.5	.3	.0														3081	3136	2929	3780																																						
30/ 29	.2	1.4	1.0	.1	.0														2410	2430	2840	3276																																						
28/ 27	.2	1.3	.7	.1	.0														1961	1971	3053	3092																																						
26/ 25	.2	1.6	.5	.0															1928	1934	2546	3280																																						
24/ 23	.1	1.1	.3	.0															1297	1297	2244	2148																																						
22/ 21	.2	1.7	.3	.0															1942	1942	1926	2673																																						
20/ 19	.4	1.8	.4	.0															2134	2134	1818	3368																																						
18/ 17	.2	1.4	.1	.0															1567	1567	2055	2396																																						
16/ 15	.2	1.4	.1																1456	1457	1487	2335																																						
14/ 13	.2	1.3	.1																1339	1341	1257	1992																																						
12/ 11	.2	1.2	.0																1183	1183	1367	1813																																						
10/ 9	.2	1.1	.0																1129	1130	1399	1633																																						
8/ 7	.2	1.1	.0																1112	1112	1112	1420																																						
6/ 5	.2	.9																	883	883	1138	983																																						
4/ 3	.3	.9																	1080	1080	1182	1060																																						
2/ 1	.3	1.2																	1307	1307	1084	1296																																						
0/ -1	.7	.4																	934	934	1069	984																																						
-2/ -3	.6	.5																	932	932	1054	972																																						
-4/ -5	.5	.4																	770	770	694	902																																						
-6/ -7	.7	.2																	802	802	936	874																																						
-8/ -9	.8	.0																	687	687	873	752																																						
-10/ -11	.7																		628	628	629	820																																						
-12/ -13	.5																		396	396	396	542																																						
-14/ -15	.6																		532	532	532	758																																						
-16/ -17	.4																		385	385	385	692																																						
-18/ -19	.6																		487	487	487	826																																						
-20/ -21	.2																		188	188	188	652																																						
-22/ -23	.2																		165	165	165	601																																						
-24/ -25	.1																		88	88	88	521																																						
-26/ -27	.1																		73	73	73	424																																						
Element (X)	Σ X ¹					Σ X					X̄					e _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																																																												

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-82

ALL

STATION

STATION NAME

YEARS

444

PAGE 3

ALL

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												
-28/-29	.0																			26	26	26	387											
-30/-31	.0																			5	5	5	194											
-32/-33	.0																			1	1	1	169											
-34/-35																							98											
-36/-37																							72											
-38/-39																							22											
-40/-41																							2											
TOTAL	13.3	29.5	17.8	10.9	7.7	5.7	4.6	3.9	3.2	2.4	1.7	1.1	.6	.4	.2	.1	.1			87557		86618												
																				86618		86618												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

727675 MINOT AFB ND

73-82

PERIOD	STATION NAME	FEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02			2.7	11.2	22.4	35.6	48.7	56.8	62.4	58.5	50.0	39.2	23.8	12.7	35.5
			15.098	15.534	12.456	10.638	9.223	6.491	6.553	7.300	8.682	9.195	13.248	14.378	22.608
			930	846	919	900	930	900	930	930	900	930	900	930	17945
03-05			2.1	10.3	20.8	33.6	46.1	54.6	59.8	55.9	48.3	37.7	22.8	12.0	33.6
			16.487	15.521	12.700	10.347	8.821	6.711	6.522	7.332	8.615	9.105	13.125	14.566	22.044
			930	846	921	900	930	900	930	930	900	930	900	930	17947
06-08			1.8	9.6	20.2	34.6	49.3	58.5	63.7	57.7	48.5	37.3	22.1	11.6	34.7
			16.657	15.667	12.794	10.622	9.536	6.647	6.375	7.233	8.185	8.821	13.087	14.815	23.327
			930	845	921	899	930	900	930	929	900	930	900	930	17944
09-11			0.2	11.9	24.8	43.2	58.4	66.9	73.8	68.0	59.8	45.0	26.3	13.0	41.3
			16.260	15.726	13.532	13.678	11.522	7.795	6.777	8.391	10.260	10.609	14.096	14.776	26.580
			930	846	921	900	930	900	930	929	920	930	900	930	17946
12-14			0.1	16.7	30.4	49.1	63.6	72.0	79.9	74.9	65.7	52.0	32.4	17.3	47.0
			16.073	15.408	13.762	15.011	12.841	8.904	7.702	9.613	12.142	12.437	15.451	14.927	27.418
			930	846	921	900	930	900	930	930	900	930	900	930	17947
15-17			9.4	18.4	32.5	51.0	65.0	73.4	81.8	77.2	67.4	53.3	32.6	17.6	48.5
			15.926	15.014	13.779	15.346	12.859	9.292	7.698	9.783	12.323	12.532	15.528	14.866	27.683
			930	846	921	900	930	900	930	930	900	929	900	930	17946
18-20			5.8	15.0	28.8	47.0	61.8	70.4	77.8	72.5	60.6	45.6	26.4	14.2	44.0
			16.056	14.775	12.807	13.978	11.959	8.546	7.122	9.197	10.701	10.279	13.774	14.792	27.086
			930	846	921	898	930	900	929	930	900	930	900	927	17941
21-23			3.9	12.6	24.9	39.6	53.6	61.8	67.7	62.8	52.7	41.1	24.1	13.2	36.3
			16.069	15.219	11.914	11.230	9.951	7.147	6.489	7.904	8.635	9.327	13.624	14.757	23.984
			930	846	919	900	930	900	929	930	900	930	900	927	17941
ALL HOURS			4.6	13.2	25.6	41.7	55.8	64.3	70.9	65.9	56.5	43.9	26.3	13.9	40.4
			16.416	15.638	13.655	14.269	12.933	10.355	10.593	11.472	12.369	11.891	14.529	14.882	25.742
			7440	6767	7364	7197	7440	7220	7438	7438	7220	7439	7220	7434	87557

USAFETAC FORM 0.89.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

727575 MINOT AFB ND

73-82

STATION NAME		YEARS												
		AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1-02	MEAN	1.9	10.0	20.4	32.0	43.7	51.2	56.7	53.2	45.4	35.6	21.7	11.7	31.9
	STDEV	15.338	14.776	11.712	9.307	7.758	5.720	5.512	6.283	7.303	7.764	11.973	13.733	20.619
	TOTAL OBS	930	845	919	876	881	888	902	926	900	929	898	930	10824
1-05	MEAN	1.3	9.2	19.1	30.5	42.0	49.7	54.9	51.7	44.3	34.5	20.9	11.0	30.7
	STDEV	15.632	14.794	12.071	9.320	7.817	5.985	5.569	6.551	7.404	7.749	11.947	13.925	20.400
	TOTAL OBS	930	846	921	876	879	888	899	927	900	929	897	930	10822
1-08	MEAN	1.0	8.5	18.4	31.3	44.3	52.4	57.3	53.1	44.6	34.2	20.3	10.6	31.3
	STDEV	15.840	14.941	12.177	9.345	7.858	5.602	5.019	6.253	7.262	7.578	12.071	14.152	21.301
	TOTAL OBS	930	845	921	875	882	888	899	926	900	927	898	930	10819
1-11	MEAN	2.3	10.6	21.9	36.5	49.2	56.7	62.1	58.5	50.4	39.3	23.6	11.8	35.2
	STDEV	15.393	14.799	12.130	10.160	7.905	5.516	4.671	5.907	6.997	7.857	12.204	14.019	22.442
	TOTAL OBS	930	844	921	874	882	891	900	927	899	929	900	930	10827
12-14	MEAN	.8	14.7	26.0	39.7	51.3	58.4	64.0	60.7	53.3	43.3	27.7	15.5	38.4
	STDEV	15.814	14.092	11.460	10.010	7.833	5.647	4.858	6.025	7.222	8.276	12.241	13.771	21.616
	TOTAL OBS	930	846	921	870	883	892	899	930	898	930	900	930	10829
15-17	MEAN	8.0	16.2	27.6	40.6	51.7	58.7	64.2	61.1	53.6	43.7	27.6	15.8	39.1
	STDEV	14.833	13.725	11.096	9.831	7.416	5.549	4.710	5.877	7.091	8.229	12.272	13.764	21.275
	TOTAL OBS	930	846	921	873	885	890	902	930	900	927	900	930	10834
18-20	MEAN	4.8	13.5	25.3	38.7	50.2	57.6	63.2	59.4	50.8	39.6	23.6	13.0	36.6
	STDEV	15.172	13.891	11.065	9.633	7.411	5.473	4.691	5.878	7.119	7.752	12.041	14.004	21.634
	TOTAL OBS	930	846	920	871	888	891	901	930	899	929	900	927	10832
21-23	MEAN	3.0	11.4	22.6	34.6	46.5	54.2	59.6	55.6	47.0	36.8	21.9	12.1	33.8
	STDEV	15.266	14.465	11.027	9.161	7.509	5.684	5.082	6.228	7.106	7.706	12.221	14.047	21.138
	TOTAL OBS	930	846	919	873	886	891	901	930	899	929	900	927	10831
ALL HOURS	MEAN	3.6	11.8	22.7	35.5	47.4	54.9	60.3	56.7	48.7	38.4	23.4	12.7	34.6
	STDEV	15.490	14.665	12.014	10.296	8.447	6.512	6.062	7.051	8.033	8.599	12.408	14.042	21.548
	TOTAL OBS	7440	6764	7363	6988	7064	7119	7203	7426	7195	7429	7193	7434	86618

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

727675 MINOT AFB ND

73-82

		AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUA
7-20	MEAN	-5.6	3.5	14.5	25.7	37.1	46.3	52.5	48.9	40.6	30.4	16.4	6.1	26.4
	STD	18.094	17.017	13.470	10.500	9.407	6.783	6.094	7.061	6.014	5.364	12.392	15.676	21.917
	TOTAL OBS	930	845	919	876	881	888	902	926	900	929	898	930	12824
8-27	MEAN	-6.3	2.6	13.2	24.9	36.4	45.2	51.1	48.1	40.0	29.8	15.9	5.5	25.5
	STD	18.583	17.063	14.021	10.543	9.291	6.876	6.016	7.151	6.113	5.106	12.283	15.850	21.912
	TOTAL OBS	930	846	921	876	879	888	899	927	900	929	897	930	12822
8-28	MEAN	-6.7	1.9	12.4	25.6	38.1	47.3	52.7	49.3	40.5	29.6	15.5	5.0	25.9
	STD	18.874	17.233	14.233	10.264	9.163	6.537	5.565	6.815	6.031	7.880	12.487	15.998	22.623
	TOTAL OBS	930	845	921	875	880	888	899	926	900	927	898	930	12819
9-11	MEAN	-5.4	3.7	14.7	27.2	39.3	46.6	54.3	51.5	42.8	32.3	17.6	5.9	27.7
	STD	18.059	16.959	13.563	10.116	9.764	6.841	6.123	7.048	7.920	7.750	12.252	15.941	22.656
	TOTAL OBS	930	844	921	874	882	891	900	927	899	929	900	930	12827
11-14	MEAN	-1.2	7.3	17.0	27.5	38.6	46.2	53.7	50.7	42.5	33.3	19.3	6.8	28.6
	STD	16.791	15.898	12.181	9.872	9.799	7.417	6.935	7.734	8.469	8.179	11.732	15.530	21.115
	TOTAL OBS	930	846	921	870	883	892	899	930	898	930	900	930	12829
12-17	MEAN	0.0	8.9	18.1	27.1	38.0	47.5	52.9	49.6	41.6	32.8	19.1	9.3	28.7
	STD	16.757	15.507	11.584	9.901	9.667	7.497	6.979	7.988	8.604	8.560	11.898	15.499	20.425
	TOTAL OBS	930	846	921	873	885	890	902	930	900	927	900	930	12834
1-20	MEAN	-2.7	6.9	17.7	27.2	37.9	47.7	53.7	49.9	41.8	32.0	17.2	7.3	28.0
	STD	17.372	16.063	12.045	10.157	9.780	7.451	6.746	7.760	8.518	8.491	12.427	15.886	21.397
	TOTAL OBS	930	846	920	871	888	891	901	930	899	929	900	927	12832
1-23	MEAN	-4.4	5.1	16.5	26.9	38.1	47.9	53.9	49.9	41.2	30.9	16.2	6.4	27.4
	STD	17.760	16.705	12.512	10.276	9.389	6.920	5.938	7.278	8.191	8.401	12.682	15.928	21.925
	TOTAL OBS	930	846	919	873	886	891	901	930	899	929	900	927	12831
ALL HOURS	MEAN	-4.0	5.0	15.5	26.5	37.9	47.4	53.1	49.7	41.4	31.4	17.1	6.8	27.3
	STD	17.793	16.720	13.101	10.241	9.565	7.122	6.385	7.429	8.270	8.323	12.341	15.850	21.788
	TOTAL OBS	7440	6764	7363	6988	7064	7119	7204	7426	7195	7429	7193	7434	86618

USAFETAC 1000 0000 (OLA)

AD-A131 888

MINDI AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS-83/018 SBI-AD-E850 396

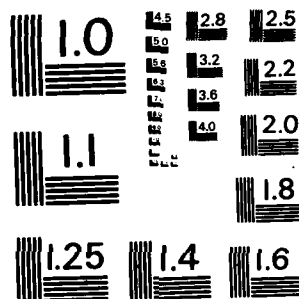
616

UNCLASSIFIED

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NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

727675 MINOT AFB ND

73-82

STATION		YEARS												
STATION NAME		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
07	MEAN	1021.11	1020.01	1015.41	1015.81	1012.81	1011.41	1013.21	1013.71	1015.11	1015.41	1017.81	1017.7	1015.8
	S D	10.423	10.412	8.993	8.271	6.958	6.200	5.639	5.809	7.261	8.361	9.869	10.468	8.835
	TOTAL OBS	310	282	306	299	310	300	310	310	300	310	300	310	3647
03	MEAN	1020.81	1019.81	1015.21	1015.51	1012.71	1011.21	1013.11	1013.71	1014.91	1015.31	1017.61	1017.6	1015.6
	S D	10.498	10.455	9.138	8.459	7.143	6.538	5.803	5.927	7.439	8.498	9.944	10.320	8.926
	TOTAL OBS	309	282	307	300	310	299	310	310	300	310	300	310	3647
06	MEAN	1020.61	1019.91	1015.31	1015.81	1013.11	1011.61	1013.51	1014.11	1015.21	1015.61	1017.91	1017.7	1015.8
	S D	10.564	10.415	9.165	8.537	7.198	6.598	5.967	6.043	7.565	8.552	9.942	10.401	8.933
	TOTAL OBS	310	282	307	299	310	300	310	310	300	310	300	310	3648
09	MEAN	1021.11	1020.51	1016.01	1016.41	1013.41	1011.91	1013.91	1014.41	1015.81	1016.11	1018.51	1018.1	1016.3
	S D	10.565	10.454	9.133	8.450	7.177	6.608	5.969	6.139	7.692	8.636	9.904	10.524	8.972
	TOTAL OBS	310	281	307	299	310	299	310	310	300	310	300	310	3646
12	MEAN	1021.21	1020.51	1015.81	1016.01	1012.91	1011.61	1013.61	1014.11	1015.41	1015.71	1018.21	1018.1	1016.1
	S D	10.672	10.408	9.011	8.312	7.241	6.551	5.911	6.141	7.682	8.564	9.886	10.569	8.999
	TOTAL OBS	310	282	307	300	310	299	310	310	300	310	300	310	3648
15	MEAN	1020.01	1019.51	1014.81	1015.11	1012.01	1011.01	1012.91	1013.21	1014.51	1014.51	1017.21	1016.9	1015.1
	S D	10.675	10.185	8.860	8.110	7.090	6.377	5.728	5.976	7.387	8.369	9.797	10.478	8.817
	TOTAL OBS	310	282	306	300	310	300	310	310	300	310	300	310	3648
18	MEAN	1020.71	1019.81	1014.91	1015.01	1011.61	1010.51	1012.31	1012.61	1014.41	1014.91	1017.91	1017.8	1015.2
	S D	10.520	10.139	8.575	7.949	6.925	6.183	5.558	5.928	7.089	8.066	9.638	10.441	8.808
	TOTAL OBS	310	282	307	299	310	299	309	309	299	310	300	308	3642
21	MEAN	1021.11	1020.21	1015.31	1015.71	1012.21	1010.81	1012.61	1013.21	1015.21	1015.41	1018.11	1017.9	1015.6
	S D	10.446	10.227	8.607	7.907	6.830	6.064	5.551	5.868	7.122	8.103	9.718	10.589	8.798
	TOTAL OBS	310	282	306	300	310	300	309	309	300	310	300	309	3645
ALL HOURS	MEAN	1020.81	1020.01	1015.41	1015.71	1012.61	1011.31	1013.11	1013.61	1015.11	1015.41	1017.91	1017.7	1015.7
	S D	10.537	10.327	8.933	8.252	7.085	6.399	5.782	5.997	7.410	8.397	9.830	10.465	8.894
	TOTAL OBS	2479	2255	2453	2396	2480	2396	2478	2478	2399	2480	2400	2477	29171

RELATIVE HUMIDITY

JAN
MONTH

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	100.0	99.8	96.2	75.2	40.3	9.7	1.0	67.8	930
	03-05	100.0	100.0	100.0	99.7	95.7	73.5	38.8	8.0	.9	67.4	930
	06-08	100.0	100.0	100.0	99.6	95.3	74.2	38.4	8.8	1.0	67.3	930
	09-11	100.0	100.0	99.9	99.7	95.6	72.3	36.7	8.0	.3	67.0	930
	12-14	100.0	100.0	100.0	99.8	93.4	67.2	28.5	6.3		65.4	930
	15-17	100.0	100.0	100.0	100.0	93.3	66.3	30.3	6.2	.4	65.4	930
	18-20	100.0	100.0	100.0	100.0	97.2	73.4	38.6	8.0	1.4	67.5	930
	21-23	100.0	100.0	100.0	100.0	96.7	75.3	39.2	9.8	1.0	67.9	930
TOTALS		100.0	100.0	100.0	99.8	95.4	72.2	36.4	8.1	.8	67.0	7400

RELATIVE HUMIDITY

STATION NAME

73-82

PERIOD

FEB
MON

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	100.0	100.0	99.8	97.9	77.9	51.6	21.5	5.3	71.2	845
	03-05	100.0	100.0	100.0	100.0	97.8	77.7	51.2	21.3	4.4	70.9	846
	06-08	100.0	100.0	100.0	99.9	97.8	78.1	49.2	23.2	5.1	70.8	845
	09-11	100.0	100.0	100.0	99.6	96.6	75.2	44.5	17.4	3.2	69.3	844
	12-14	100.0	100.0	100.0	99.4	94.6	63.8	36.9	11.7	1.7	66.5	846
	15-17	100.0	100.0	100.0	99.5	92.9	65.5	38.4	10.0	1.3	66.5	846
	18-20	100.0	100.0	100.0	100.0	96.8	77.5	51.8	17.6	1.5	70.2	846
	21-23	100.0	100.0	100.0	100.0	97.9	81.2	56.0	23.4	3.2	71.6	846
TOTALS		100.0	100.0	100.0	99.8	96.5	74.6	47.5	18.3	3.2	69.6	6764

FORM
JUL 64

0-87.5 (OL A)

RELATIVE HUMIDITY

MAR
MONTH

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	100.0	99.9	96.7	81.5	55.7	25.7	3.4	71.9	919
	03-05	100.0	100.0	100.0	100.0	97.5	83.0	57.4	27.9	5.0	72.5	921
	06-08	100.0	100.0	100.0	100.0	96.0	80.1	56.5	25.3	4.0	71.9	921
	09-11	100.0	99.9	99.6	97.6	86.8	64.7	40.4	15.3	3.1	66.3	921
	12-14	100.0	99.7	96.3	86.8	72.0	49.6	26.8	8.4	1.4	59.6	921
	15-17	100.0	99.2	94.2	82.7	66.3	47.2	24.9	7.9	1.0	58.0	921
	18-20	100.0	99.9	98.0	73.5	82.7	62.3	38.9	14.7	1.4	64.7	920
	21-23	100.0	100.0	100.0	99.7	95.5	78.7	51.8	24.2	2.9	70.8	919
TOTALS		100.0	99.8	98.5	95.0	86.7	68.4	44.1	18.7	2.8	67.0	7363

RELATIVE HUMIDITY

73-82

ADR

MONTH	HOURS (LST)	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	98.9	93.9	85.5	73.4	52.5	25.3	3.1	68.7	876
	03-05	100.0	100.0	99.7	97.7	90.6	79.9	60.3	30.4	3.5	71.6	876
	06-08	100.0	99.9	99.3	97.6	90.6	78.2	55.8	29.0	2.5	70.8	875
	09-11	100.0	97.9	90.4	78.4	61.8	45.0	24.7	10.5	1.1	56.7	874
	12-14	100.0	91.1	76.1	58.4	43.8	29.3	15.7	7.1	.8	47.8	870
	15-17	99.8	86.6	67.4	51.1	39.6	27.0	14.8	6.3	.9	44.9	873
	18-20	100.0	93.0	77.8	62.7	50.1	38.1	20.7	9.8	1.4	50.9	871
	21-23	100.0	99.9	95.3	85.2	74.8	58.4	38.9	18.3	2.2	62.9	873
TOTALS		100.0	96.1	88.1	78.1	67.1	53.7	35.4	17.1	1.9	59.3	6988

RELATIVE HUMIDITY

MAY

STATION

STATION NAME

PERIOD

MONTH

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	98.9	92.2	81.4	61.7	39.0	11.4	.6	64.4	681
	03-05	100.0	100.0	99.9	96.2	88.1	74.2	50.1	18.7	.9	68.5	879
	06-08	100.0	100.0	99.1	93.5	82.6	64.3	41.1	15.0	1.0	65.5	880
	09-11	100.0	97.7	86.8	68.9	45.9	28.0	17.0	6.3	.1	50.7	882
	12-14	100.0	92.9	69.6	43.4	25.8	18.0	9.2	4.1	.2	42.0	683
	15-17	100.0	90.3	60.2	35.4	24.9	16.2	8.7	3.8	.5	39.4	285
	18-20	100.0	93.1	72.0	47.4	32.7	20.6	12.3	4.7	.2	43.8	888
	21-23	100.0	99.3	94.8	81.2	63.0	40.6	24.6	7.8	.7	56.9	886
TOTALS		100.0	96.7	85.2	69.8	55.6	40.5	25.3	9.0	.5	53.9	7064

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

JUN
MONTH

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	99.8	99.0	92.2	76.1	48.1	13.1	.5	68.7	888
	03-05	100.0	100.0	99.7	99.4	95.5	83.1	61.6	19.6	1.1	71.7	888
	06-08	100.0	100.0	99.9	98.4	90.8	70.9	44.6	11.6	1.7	67.6	888
	09-11	100.0	100.0	96.4	83.1	55.0	30.2	14.3	4.3	1.0	54.0	891
	12-14	100.0	98.3	85.3	54.8	28.3	16.3	8.1	3.3	.6	45.3	892
	15-17	100.0	96.4	78.1	43.9	24.8	13.9	8.1	3.3	.1	42.5	890
	18-20	100.0	98.7	86.3	59.8	35.7	20.5	9.3	3.0	.2	47.0	891
	21-23	100.0	100.0	99.2	94.9	78.0	53.9	27.9	5.8	.6	61.7	891
TOTALS		100.0	99.2	93.1	79.2	62.5	45.6	27.8	8.0	.7	57.3	7119

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727675
STATION

MINOT AFB ND
STATION NAME

73-82
PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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	100.0	100.0	99.4	96.3	84.1	54.1	13.2	2.3	70.9	902
	03-05	100.0	100.0	100.0	99.6	98.0	89.8	67.7	20.2	4.1	73.8	899
	06-08	100.0	100.0	100.0	99.2	92.9	75.9	42.7	13.5	2.1	66.5	899
	09-11	100.0	100.0	97.6	80.3	51.4	23.4	9.7	1.8	.3	52.1	900
	12-14	100.0	99.2	80.9	48.6	19.8	8.9	2.6	.8	.1	41.9	899
	15-17	100.0	97.9	70.7	35.7	17.2	7.1	1.9	.2		38.7	902
	18-20	100.0	99.8	87.2	57.8	29.0	12.8	4.6	1.2		45.0	901
	21-23	100.0	100.0	100.0	98.0	83.2	54.9	23.1	5.7	.3	62.3	901
TOTALS		100.0	99.6	92.1	77.3	61.0	44.6	25.8	7.1	1.2	56.7	7203

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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	100.0	99.2	94.0	81.1	53.9	22.9	5.1	71.5	926
	03-05	100.0	100.0	100.0	100.0	98.0	89.5	68.0	32.8	9.8	75.8	927
	06-08	100.0	100.0	100.0	99.8	96.5	85.9	64.9	28.3	7.7	74.2	926
	09-11	100.0	99.9	97.1	86.4	64.9	39.7	19.2	6.9	1.8	57.4	927
	12-14	100.0	98.0	84.9	56.7	29.7	14.9	8.6	3.4	.9	45.2	930
	15-17	100.0	96.1	72.5	38.8	20.9	12.3	5.4	2.8	.4	40.5	930
	18-20	100.0	98.8	85.8	60.2	35.3	21.1	10.4	3.5	.5	47.5	930
	21-23	100.0	100.0	99.2	95.5	81.5	58.8	34.0	13.8	2.8	64.3	930
TOTALS		100.0	99.1	92.4	79.6	65.1	50.4	33.1	14.3	3.6	59.6	7426

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

SEP
MONTH

MONTH	HOURS (LST)	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	99.7	98.7	89.1	77.4	57.4	30.4	9.9	71.8	900
	03-05	100.0	100.0	100.0	99.2	93.7	82.2	62.7	36.3	13.1	74.5	900
	06-08	100.0	100.0	100.0	99.2	94.7	83.9	64.0	36.0	14.2	74.9	900
	09-11	100.0	99.6	94.3	82.4	62.6	44.3	27.4	14.5	3.7	58.6	899
	12-14	100.0	95.4	76.8	56.5	35.9	22.9	15.0	6.8	1.1	46.8	898
	15-17	100.0	92.3	69.7	43.9	29.0	20.0	11.9	5.9	2.1	43.3	900
	18-20	100.0	98.6	89.2	69.0	49.9	33.4	21.4	10.6	3.6	53.3	899
	21-23	100.0	100.0	99.6	95.6	82.1	64.6	42.9	20.5	6.0	66.8	899
TOTALS		100.0	98.3	91.2	80.6	67.1	53.6	37.9	20.1	6.6	61.3	7195

RELATIVE HUMIDITY

OCT
MONTH

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	99.9	98.2	92.6	77.0	54.3	32.7	11.6	72.1	929
	03-05	100.0	100.0	100.0	98.5	94.2	83.6	60.9	36.5	14.0	74.3	929
	06-08	100.0	100.0	100.0	99.2	95.7	84.8	63.2	37.8	12.8	74.7	927
	09-11	100.0	100.0	98.8	91.0	73.5	54.5	36.0	19.3	7.0	63.6	929
	12-14	100.0	99.0	87.3	66.6	48.8	32.4	19.5	10.8	4.5	52.7	930
	15-17	100.0	97.8	83.0	59.7	43.5	28.3	15.6	8.8	3.8	49.7	927
	18-20	100.0	99.8	96.8	86.7	70.9	50.8	32.8	15.7	5.2	61.5	929
	21-23	100.0	100.0	99.5	96.9	85.9	67.9	44.0	25.2	8.1	68.6	929
TOTALS		100.0	99.6	95.7	87.1	75.6	59.9	40.8	23.4	8.4	64.7	7429

2

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MINOT AFB ND

STATION NAME

73-82

PERIOD

NOV
MONTH

●

3FORM
111-14

0-87-5 (OL A)

RELATIVE HUMIDITY

727675
STATION

MINOT AFB ND

STATION NAME

73-92

PERIOD

DEC
MONTH

MONTH	HOURS (LST)	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	100.0	100.0	100.0	98.7	89.7	65.8	31.9	8.3	74.9	930
	03-05	100.0	100.0	100.0	99.9	98.6	89.8	64.5	32.9	8.4	74.8	930
	06-08	100.0	100.0	100.0	100.0	98.6	88.7	63.1	31.8	7.1	74.6	930
	09-11	100.0	100.0	100.0	99.5	98.0	85.2	58.8	27.8	5.7	73.3	930
	12-14	100.0	100.0	100.0	99.1	94.2	76.3	44.9	20.2	5.8	69.8	930
	15-17	100.0	100.0	100.0	99.4	93.3	79.5	51.5	21.9	4.9	70.5	930
	18-20	100.0	100.0	100.0	100.0	97.5	88.5	63.2	30.1	5.7	74.1	927
	21-23	100.0	100.0	99.9	99.9	98.3	88.7	63.1	31.1	7.3	74.4	927
TOTALS		100.0	100.0	100.0	99.7	97.2	85.8	59.4	28.5	5.8	73.3	7434

USAFETAC FORM JUL 64 0-87.5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727675 MINOT AFB ND

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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	100.0	100.0	99.8	95.4	72.2	36.4	8.1	.8	67.1	7440
FEB		100.0	100.0	100.0	99.8	96.5	74.6	47.5	18.3	3.2	69.6	6764
MAR		100.0	99.8	98.5	95.0	86.7	68.4	44.1	18.7	2.8	67.0	7363
APR		100.0	96.1	88.1	78.1	67.1	53.7	35.4	17.1	1.9	59.3	6998
MAY		100.0	96.7	85.2	69.8	55.6	40.5	25.3	9.0	.5	53.9	7064
JUN		100.0	99.2	93.1	79.2	62.5	45.6	27.8	8.7	.7	57.3	7110
JUL		100.0	99.6	92.1	77.3	61.0	44.6	25.9	7.1	1.2	56.7	7273
AUG		100.0	99.1	92.4	79.6	65.1	50.4	33.1	14.3	3.6	59.6	7426
SEP		100.0	98.3	91.2	80.6	67.1	53.6	37.9	20.1	6.6	61.3	7195
OCT		100.0	99.6	95.7	87.1	75.6	59.9	40.8	23.4	8.4	64.7	7429
NOV		100.0	99.8	98.2	94.0	86.7	76.3	57.2	29.1	8.2	70.5	7193
DEC		100.0	100.0	100.0	99.7	97.2	85.8	59.4	28.5	6.8	73.3	7434
TOTALS		100.0	99.0	94.5	86.7	76.4	60.5	39.2	16.8	3.7	63.4	86618

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

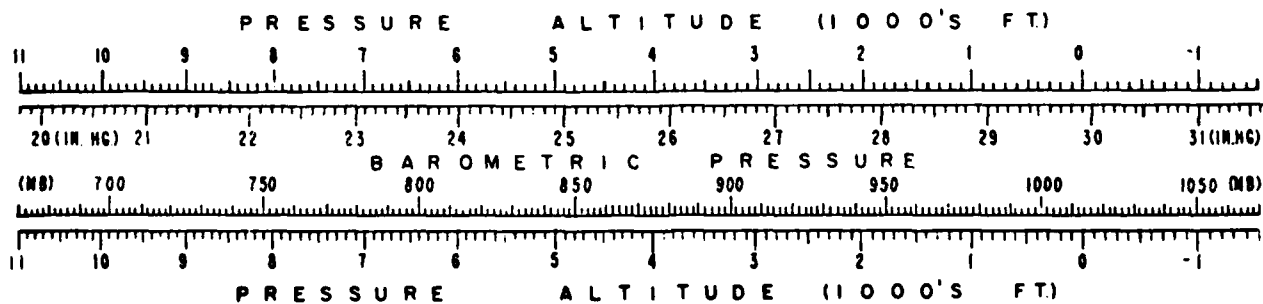
PRESSURE SUMMARY

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.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

727675 MINOT AFB ND

73-82

STATION		STATION NAME												YEARS															
HRS LST		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL			
00	MEAN	28.24728.23828.14128.18428.12828.10428.16328.17128.19328.18128.20928.177																										28.178	
	S D	.266 .261 .233 .219 .184 .168 .151 .155 .190 .220 .257 .269																										.221	
	TOTAL OBS	310 282 306 300 310 300 310 310 300 310 300 310																										3648	
03	MEAN	28.24228.23628.13528.17728.12528.09828.16128.17128.19128.17928.20728.177																										28.175	
	S D	.268 .264 .237 .225 .189 .175 .154 .157 .195 .222 .258 .265																										.224	
	TOTAL OBS	310 282 307 300 310 300 310 310 300 310 300 310																										3649	
05	MEAN	28.23328.23628.13828.18328.13628.10928.17228.17928.19628.18228.20628.175																										28.178	
	S D	.270 .263 .237 .227 .191 .178 .159 .162 .199 .225 .260 .267																										.226	
	TOTAL OBS	310 282 307 300 310 300 310 310 300 310 299 310																										3648	
09	MEAN	28.24128.24628.15228.19628.14528.11728.18428.19028.20928.19428.22028.183																										28.189	
	S D	.270 .265 .237 .226 .192 .180 .160 .165 .204 .229 .259 .269																										.227	
	TOTAL OBS	310 282 307 300 310 300 310 310 300 310 300 310																										3649	
12	MEAN	28.24928.25328.15228.19128.13228.11028.17528.18028.20328.18828.22028.187																										28.186	
	S D	.274 .263 .235 .222 .193 .179 .158 .165 .204 .227 .259 .271																										.227	
	TOTAL OBS	310 282 307 300 310 300 310 310 300 309 300 310																										3648	
15	MEAN	28.22028.22528.12728.16728.10828.09328.15628.15528.17828.15828.19328.159																										28.161	
	S D	.274 .259 .230 .215 .188 .174 .153 .162 .194 .221 .256 .269																										.223	
	TOTAL OBS	310 282 307 300 310 300 310 310 300 310 300 310																										3649	
18	MEAN	28.23528.23228.12628.16028.09528.07928.13928.13928.17428.16228.20628.174																										28.165	
	S D	.269 .256 .223 .211 .183 .168 .149 .158 .187 .212 .251 .268																										.220	
	TOTAL OBS	310 282 307 300 310 300 310 310 300 310 300 309																										3648	
21	MEAN	28.24228.24028.13628.18028.11128.08928.14828.15628.19328.17528.21228.178																										28.171	
	S D	.267 .258 .223 .209 .181 .165 .149 .156 .186 .214 .252 .271																										.219	
	TOTAL OBS	310 282 307 300 310 300 310 310 300 310 300 309																										3648	
ALL HOURS	MEAN	28.23928.23828.13828.18028.12328.10028.16228.16828.19228.17728.20928.176																										28.175	
	S D	.269 .261 .232 .219 .188 .174 .155 .161 .195 .221 .256 .268																										.224	
	TOTAL OBS	2480 2256 2455 2400 2480 2400 2480 2480 2400 2479 2399 2478																										29187	

MEANS AND STANDARD DEVIATIONS

STATION		STATION NAME												YEARS											
HRS	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
	MEAN																								
	S D																								
	TOTAL OBS																								
	MEAN																								
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	TOTAL OBS																								
ALL HOURS	MEAN																								
	S D																								
	TOTAL OBS																								

**DAT
FILM**