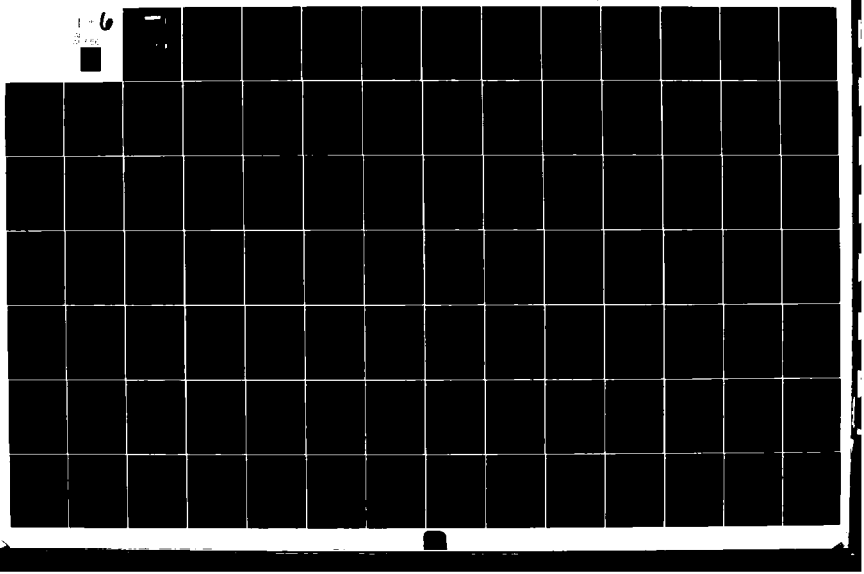
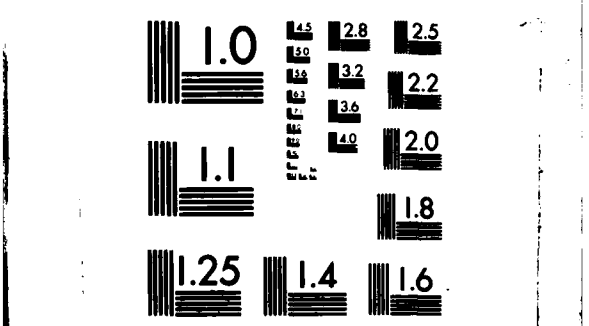
AD-A113 156 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
JAN 82

UNCLASSIFIED USAFETAC/DS-82/001 SBI-AD-E850 137 NL



3156



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

PHOTOGRAPH THIS SHEET

AD-E850137

AD A113156

DTIC ACCESSION NUMBER

LEVEL

ATTENTION:
Camera Operator
When Filming attached document
use Bell & Howell camera ONLY!!!

Consult with Supervisor for
further instructions.

INVENTORY

USAFETAC/DS-82/001

DOCUMENT IDENTIFICATION

11 Jan. 82

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR	
NTIS GRA&I	☒
DTIC TAB	☐
UNANNOUNCED	☐
JUSTIFICATION	
BY	
DISTRIBUTION /	
AVAILABILITY CODES	
DIST	AVAIL AND/OR SPECIAL
A	

DISTRIBUTION STAMP

DTIC
COPY
INSPECTED
3

DTIC
ELECTE
S APR 2 1982 D
D

DATE ACCESSIONED

82 03 18 071

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

DTIC FORM OCT 79 70A

DOCUMENT PROCESSING SHEET

AD-E850137

: USAFETAC/DS-82/001

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

AWS TECHNICAL LIBRARY
FL 4414
SCOTT AFB, IL 62225

18 JAN 1982

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

HECTOR AFT FARGO ND WBAN #14914
N 46 54 W 096 48 FLD ELEV 899 FT FAA WMO #72753

PARTS A-F
POR FROM HOURLY OBS: JUN 73 - MAY 81

POR FROM DAILY OBS: JAN 48 - DEC 64, JAN 66 - MAY 81

TIME CONVERSION GMT TO LST: -6

JAN 11 1982

FEDERAL BUILDING
ASHEVILLE, N. C.

"THIS DOCUMENT HAS BEEN APPROVED FOR PUBLIC RELEASE AND SALE; ITS DISTRIBUTION IS UNLIMITED."

Review and Approval Statement

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

Wayne E McCollom

WAYNE E. MCCULLOM, Chief
Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

WALTER S. BURGMANN
AWS Scientific and Technical
Information Officer (STINFO)

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

1. REPORT NUMBER: USAFETAC/DS- 82/001	2. GOVT ACCESSION NO.: AD-A113 156
3. RECIPIENT'S CATALOG NUMBER:	
4. TITLE (and Subtitle): Revised Uniform Summary of Surface Weather Observations (RUSSWO)- **Hector APT, Fargo, North Dakota**	5. TYPE OF REPORT & PERIOD COVERED: Final rept.
	6. PERFORMING ORG. REPORT NUMBER:
7. AUTHOR(s):	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	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS:
11. CONTROLLING OFFICE NAME AND ADDRESS: USAFETAC/CBD, Air Weather Service (MAC), Scott AFB IL 62225	12. REPORT DATE: 11 JAN 82 13. NUMBER OF PAGES: 400
14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)	15. SECURITY CLASS. (of this report): UNCLASSIFIED 15a. DECLASSIFICATION DOWNGRADING SCHEDULE:

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

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)

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

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

This report is a six-part statisitical summary of surface weather observations for **Hector APT, Fargo, 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 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 (over)

DD FORM 1 JAN 73 1473

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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

North Dakota Hector APT, North Dakota

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

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 with 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: 0000-0259, 0300-0559, 0600-0859, 0900-1159, 1200-1459, 1500-1759, 1800-2059, 2100-2359 hours local standard time.

MISSING HOUR GROUPS

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

JANUARY_____	APRIL_____	JULY_____	OCTOBER_____
FEBRUARY_____	MAY_____	AUGUST_____	NOVEMBER_____
MARCH_____	JUNE_____	SEPTEMBER_____	DECEMBER_____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
14914	Fargo, North Dakota, Hector Fld	N 46 54	W 096 48	899 ft	FAR	72753

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.	
	Hector Muni Apt, Fargo ND	WBAS	Jul 34	20 Dec36	46 54 N	096 48 W	899 ft	899 ft	24
	established Jul 01, 1934								
	Hector Apt, Fargo ND	Same	20 Dec36	Nov 53	Same	Same	Same	913 ft	24
		Same	Nov 53	Aug 57	Same	Same	Same	912 ft	
		Same	Aug 57	Dec 64	Same	Same	900 ft	Same	
		Same	Jan 65	07 Apr65	Same	Same	Same	911 ft	
		Same	07 Apr65	Jan 80	Same	Same	Same	Same	
		Same	Jan 80	May 81	Same	Same	899 ft	NA	

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	
	Jan 48 to Oct 53	Located on roof	anemometer	NA	47 ft	
	Nov 53 to 25 Jun61	Located on Tower	F420B	NA	86 ft	
	26 Jun61 to 10 Mar63	Located 1800 ft NNW of adm Bldg	F420C	NA	20 ft	
	11 Mar63 to Dec 68	Located 1500 ft NW of Adm Bldg	Same	NA	Same	

NUMBER OF LATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	Dec 68	Located on Field	F420	NA	20 ft	
	15 Dec69	Located on Field	F420	F312	20 ft	gust recorder commissioned
	to					
	25 Mar81	Same	Same	Same	Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

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.

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

1- 14 | HECTOR APT FARGO ND | 74-81 | JAN
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02			1.5	25.0		25.7	5.6	.2	8.6	.4	14.5	744
	03-05			.9	25.7		26.3	5.2	.4	8.6	.4	14.1	744
	06-08			.4	24.4		24.8	7.4	.4	10.5	.4	16.3	743
	09-11			.4	23.3		23.7	10.2	1.3	11.6	.8	22.4	744
	12-14		.4	.4	22.2		22.6	7.9	.7	14.1	1.1	22.4	744
	15-17			1.1	19.0		19.7	6.7	.2	11.6	1.3	16.5	743
	18-20		.1	.3	24.9		25.4	4.2		8.7	.9	12.9	744
	21-23		.1	.8	25.0		25.5	5.8	.1	7.3	.7	13.4	744
TOTALS			.1	.8	23.7		24.2	6.6	.4	10.2	.8	17.1	5950

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

L AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

WEATHER CONDITIONS

1 [illegible] HECTOR APT FARGO ND | 74-81 | FEB
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		.4	.9	24.9		25.9	3.3	.3	5.2		1[illegible].6	678
	03-05		.4	.6	27.6		28.3	5.9		9.5		11.4	678
	06-08		.4	.4	28.2		28.5	8.4		5.2		13.6	678
	09-11		.1	.7	26.8		27.3	11.8	.3	8.[illegible]	.4	17.[illegible]	678
	12-14		.6	.9	21.4		22.1	5.8	1.0	10.6	.4	17.1	678
	15-17	.1	.4	1.0	17.0		18.1	4.1	.9	8.8	.7	14.2	678
	18-20				18.6		18.6	4.3	.6	5.3	.6	13.2	678
	21-23		.1	.3	21.8		22.0	3.7	.1	4.4		9.[illegible]	678
TOTALS		.0	.3	.6	23.3		23.8	6.2	.4	6.6	.3	13.3	5424

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

14 | HECTOR APT FARGO ND | 74-81 | MA-
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
MAR	00-02		2.7	.5	12.5		15.5	6.9		1.6		9.5	744
	03-05		3.0	.5	13.6		17.1	9.0		2.4		11.3	744
	06-08	.1	2.8	.5	13.3		16.3	12.6	.1	2.4		15.1	744
	09-11		3.2	.9	13.8		16.9	10.5	.6	3.4	.3	14.9	744
	12-14		3.0	.9	12.9		16.1	7.8	1.2	3.2	.8	12.5	744
	15-17		3.1	.8	12.6		16.5	7.0	1.3	2.4	.9	11.8	744
	18-20		3.9	1.2	12.4		15.9	6.7	1.7	2.2		13.6	744
	21-23		3.1	.3	13.3		16.2	6.2	.3	2.0		9.2	743
TOTALS		.0	3.1	.7	13.1		16.3	8.3	.7	2.6	.2	11.5	5951

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

AL CLIMATOLOGY BRANCH
TAC
[illegible] SERVICE/MAC

WEATHER CONDITIONS

1 14 | CTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.4	6.3		3.8		11.7	7.1	.1		.4	7.6	720
	03-05	.4	5.1		4.6		12.1	7.1			.3	7.4	720
	06-08	.6	7.6	.1	4.4		12.2	12.2		.6	.3	13.1	720
	09-11	.1	7.6	.1	3.9		11.4	9.0	1.7	1.3	1.1	11.9	720
	12-14		6.9		3.3		11.5	6.4	.6	.6	1.1	8.6	720
	15-17	.1	6.1		2.1	.3	10.0	4.4	.4		1.0	5.6	720
	18-20	.3	7.9		1.8		11.7	5.0	.7			5.7	720
	21-23	.7	10.6		2.6		13.2	5.1	.3		.1	5.4	720
TOTALS		.3	6.7	.0	3.3	.0	11.7	7.0	.4	.3	.5	8.2	5760

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

...AL CLIMATOLOGY BRANCH
...ETAC
...WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 14 — STATION
...CTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.9	6.3		.7		9.0	3.1	.4			3.9	744
	03-05	.4	9.0		.4		9.3	5.6	.1			5.9	744
	06-08	.3	8.7				8.7	7.1	.9			8.1	744
	09-11		7.0		.1		7.1	3.4				3.4	744
	12-14	.3	5.8				5.8	3.0	1.1		.1	3.0	744
	15-17	.8	6.6				6.6	2.3	.3		.1	2.6	743
	18-20	1.3	7.7				7.7	2.3	.8			3.1	741
	21-23	2.4	10.7		.3		10.9	.9	.1		.1	1.2	740
TOTALS		.8	6.0		.2		8.1	3.5	.5		.0	4.0	5944

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

...AL CLIMATOLOGY BRANCH
...TAC
A... WEATHER SERVICE/MAC

WEATHER CONDITIONS

1...14 | ...CTOR APT FARGO ND | 73-8... | JU...
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	2.5	6.3				6.3	.8	.1		.1	1.1	720
	03-05	2.4	6.7				6.7	4.4				4.4	720
	06-08	2.4	7.1				7.1	5.3	.7			5.5	720
	09-11	1.5	8.1				8.1	1.7	.7		.1	2.5	720
	12-14	1.4	6.5				6.5	.6	.1			.7	720
	15-17	1.7	6.0				6.0	.4				.4	720
	18-20	2.2	6.3				6.3	.7	.3		.1	1.1	720
	21-23	2.8	6.3				6.3	.3				.3	720
TOTALS		2.1	6.7				6.7	1.8	.2		.0	2.5	5760

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L AL CLIMATOLOGY BRANCH
AFETAC
R WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 14 HECTOR APT FARGO ND 73-8 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	2.3	3.6			.1	3.6	.9	.3			1.2	744
	03-05	2.4	4.2				4.2	4.3	.3			4.6	744
	06-08	1.3	4.3			.1	4.8	5.9	2.6			6.9	744
	09-11	1.3	3.6				3.6	1.3	3.2			4.3	744
	12-14	1.2	3.1				3.1	.3	1.6			1.9	744
	15-17	2.4	5.0				5.0	.9	1.3			2.3	744
	18-20	1.1	4.0				4.0	.7	1.1		.1	1.9	744
	21-23	2.4	2.7				2.7	.4	.9			1.3	744
TOTALS		1.8	3.9			.0	3.9	1.8	1.3		.0	3.1	5952

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH
ETAC
LATHER SERVICE/MAC

WEATHER CONDITIONS

1 14 HECTOR APT FARGO ND 73-80 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.3	5.5				5.5	2.6	.1			3.3	744
	03-05	2.4	6.3				6.3	7.1				7.1	744
	06-08	1.7	6.7				6.7	11.2	.7			11.9	744
	09-11	.9	5.8				5.8	6.0	.7			6.6	744
	12-14	1.1	7.7				7.7	3.0	1.5			4.3	744
	15-17	1.3	6.6				6.6	2.0	.8			2.8	744
	18-20	2.7	6.5				6.5	1.3	1.3		.1	2.8	744
	21-23	2.4	4.8				4.8	.7	.7			1.3	744
TOTALS		1.7	6.5				6.5	4.3	.7		.0	5.0	5952

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...PETAC
...EATHER SERVICE/MAC

WEATHER CONDITIONS

1 -14	...LECTOR APT FARGO ND	73-8...	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-01	.6	4.6				4.6	3.6				3.6	720
	03-05	.6	4.9				4.9	4.9				4.9	720
	06-08	.7	8.6				8.6	7.6	.4			9.1	720
	09-11	1.0	8.5				8.5	5.3				5.3	720
	12-14	.3	7.2				7.2	2.5				2.5	720
	15-17	.4	7.2				7.2	2.2				2.2	720
	18-20	.7	8.1				8.1	3.2	.1			3.3	720
	21-23	.7	6.1				6.1	2.8				2.8	720
TOTALS		.6	6.9				6.9	4.0	.1			4.1	5760

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

WEATHER CONDITIONS

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-87 — YEARS
OCT — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.1	6.6		.7		6.7	3.1	.5			3.6	744
	03-05		5.6		1.2		6.9	4.8	.4			5.2	744
	06-08		5.0		1.1		5.9	8.1	.5			8.6	744
	09-11		5.4		2.2		6.9	7.4	1.2			8.2	744
	12-14	.3	7.4		2.4		8.6	5.6	1.2		.4	7.3	744
	15-17	.1	6.7		1.2		7.9	5.6	.3		.4	6.2	744
	18-20	.1	7.1		2.6	.1	8.6	4.6	.1		.4	5.1	743
	21-23	.1	5.6		2.4		7.1	1.6	.4	.4	.1	2.6	744
TOTALS		.1	6.1		1.7	.0	7.3	5.1	.6	.1	.2	5.9	5951

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

WEATHER CONDITIONS

1 [illegible] [illegible]CTOR AFB [illegible]ND — 73-87 — NOV

STATION — STATION NAME — YEARS — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NO[illegible]	[illegible]0-03		1.[illegible]	1.1	14.0		16.3	6.8	.1	1.9		8.9	720
	[illegible]3-05		[illegible].5	.4	14.3		16.7	6.1	.1	2.1		8.[illegible]	720
	[illegible]6-[illegible]		2.5	.[illegible]	13.9		16.1	7.6	.1	1.[illegible]	.1	8.9	720
	[illegible]9-11		2.4	.3	13.9		15.7	11.1	.8	1.9	.4	14.2	720
	12-14		1.9		11.[illegible]		12.[illegible]	7.4	.3	2.1		[illegible].7	720
	15-17		2.2	.4	9.9		11.4	4.9	.[illegible]	2.1		7.8	720
	18-20		1.4	.7	12.5		13.5	4.2	.4	1.7		[illegible].3	720
	[illegible]1-23		1.3	.7	14.0		15.6	4.9	.4	1.7		[illegible].[illegible]	719
TOTALS			[illegible].[illegible]	.5	13.0		14.[illegible]	[illegible].6	.4	1.[illegible]	.1	[illegible].9	5759

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 14 — STATION
...CTOR APT FARGO ND — STATION NAME
73-8... — YEARS
DEC — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		.3	1.9	19.5		21.5	11.3	.3	3.5		15.1	744
	03-05		.5	2.2	18.0		20.7	13.4	.4	2.7		16.5	744
	06-08		.8	2.2	21.7		23.5	14.4		4.0		18.4	744
	09-11		.9	1.3	25.0		27.0	16.3		4.6		20.8	744
	12-14		.8	.9	23.0		24.5	12.2	.5	5.8	.1	16.5	744
	15-17		1.3	1.1	18.3		20.3	12.4	.4	5.0	.8	18.5	744
	18-20		.7	1.1	16.1		19.6	9.9	.1	3.5	.4	14.0	744
	21-23		.1	2.0	17.9		19.6	9.4		3.3		13.0	744
TOTALS			.7	1.6	20.1		22.1	12.4	.2	4.1	.2	15.9	5952

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

WEATHER CONDITIONS

1 19 HECTOR APT FARGO ND 73-81 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND. OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		.1	.6	23.7		24.2	6.6	.4	10.2	.8	17.1	5950
FEB		.0	.3	.6	23.3		23.8	6.2	.4	6.6	.3	13.0	5424
MAR		.0	3.1	.7	13.1		16.3	8.3	.7	2.6	.2	11.6	5951
APR		.3	8.7	.0	3.3	.0	11.7	7.0	.4	.3	.5	8.2	5760
MAY		.8	8.0		.2		8.1	3.5	.5		.0	4.0	5944
JUN		2.1	6.7				6.7	1.6	.2		.0	2.0	5760
JUL		1.8	3.9			.0	3.9	1.8	1.3		.0	3.1	5952
AUG		1.7	6.5				6.5	4.3	.7		.0	5.1	5952
SEP		.6	6.9				6.9	4.0	.1			4.1	5760
OCT		.1	5.1		1.7	.0	7.3	5.1	.6	.1	.2	5.9	5951
NOV			7.0	.5	13.0		14.8	6.6	.4	1.8	.1	8.9	5759
DEC			.7	1.6	20.1		22.1	12.4	.2	4.1	.2	16.9	5952
TOTALS		.6	4.4	.4	8.2	.0	12.7	5.6	.5	2.1	.2	8.3	70115

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

14914	HECTOR APT FARGO ND	48-64, 66-81	ALL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		6.4	6.1	66.5		70.4	22.5	7.1	34.6	.6	51.2	1023
FEB		.1	10.3	8.1	59.9		63.2	26.1	7.9	23.7	.3	48.3	921
MAR		.9	17.2	5.8	47.9		55.2	27.5	6.3	12.5	.5	39.5	1023
APR		4.0	36.1	1.2	22.4	.7	49.9	20.0	3.3	3.4	.5	24.2	990
MAY		12.2	45.1		3.4	1.2	49.5	18.4	2.2	.2	.1	19.3	1023
JUN		25.2	53.1			2.1	53.1	16.6	2.4			17.2	963
JUL		27.3	47.4			1.3	47.4	12.2	2.9			13.6	992
AUG		20.9	44.7			1.7	44.7	17.3	4.2		.1	19.5	992
SEP		9.9	40.6		.3	.2	40.6	17.6	1.9			16.3	960
OCT		2.7	32.2	.7	10.6	.1	37.0	17.3	5.1	.6		23.1	987
NOV		.3	19.0	5.9	41.2		50.4	21.6	5.3	6.0		28.6	949
DEC		.1	12.7	11.7	62.4		65.5	29.8	5.8	21.7		48.6	991
TOTALS		8.6	30.8	3.3	26.4	.6	52.3	20.6	4.5	8.6	.2	28.9	11811

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

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

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

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

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

Continued on Reverse Side

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

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

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

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

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

14914 (STATION) HECTOR APT FARGO ND (STATION NAME) 48-64, 66-81 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	29.3	42.0	6.5	12.0	4.8	3.2	1.3	.4						28.2	1023	.60	1.76	.09
FEB	36.9	38.3	7.2	10.0	4.1	1.9	1.3	.3						24.8	932	.46	1.74	.03
MAR	43.9	33.2	4.9	7.5	2.8	4.4	2.2	1.0	.1					22.9	1023	.84	2.21	.03
APR	50.1	21.4	3.5	7.2	4.6	5.9	3.7	2.8	.7					28.5	990	1.78	4.14	.02
MAY	50.5	18.4	3.2	7.7	4.7	6.2	4.6	3.6	1.0	.1				31.1	1023	2.33	7.30	.46
JUN	46.9	18.6	3.0	7.1	4.7	6.8	7.0	4.4	1.1	.4				34.5	960	3.07	9.40	.58
JUL	52.6	16.7	4.0	6.4	3.8	6.1	4.0	3.3	2.4	.5				30.6	992	3.28	8.42	.42
AUG	55.3	16.5	3.5	6.7	3.0	5.7	4.6	2.5	1.9	.1				29.1	992	2.51	6.46	.38
SEP	59.4	15.4	3.5	6.4	4.6	5.0	2.6	2.2	.7	.2				25.2	960	1.76	6.13	.13
OCT	62.8	17.3	2.9	4.5	2.7	4.9	2.1	1.9	.7					19.9	992	1.33	4.42	.08
NOV	49.9	32.0	3.3	6.5	2.1	3.6	1.4	.7	.5					18.1	960	.78	4.58	.04
DEC	35.0	39.2	5.8	9.4	4.8	4.1	1.1	.5						25.8	992	.63	2.19	.04
ANNUAL	47.8	25.7	4.3	7.6	3.9	4.8	3.0	2.0	.8	.1				26.5	11839	19.37		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

1 14 HECTOR ARPT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	.33	.57	.28	1.14	.55	1.69	1.58	.25	.36	.29	.31	.11	1.69
49	.68*	.21	.23	.22	.99	.88	1.63	.61	.21	1.19	.20	.67	1.63
50	.32	.12	1.07	.34	1.17	.94	.16	.16	.59	.48	.25	.16	1.17
51	.15	.57	.32	.23	.64	.78	1.86	1.53	.37	.62	.24	.52	1.86
52	.57	.10	.27	.18	.24	.53	3.93	1.73	.15	.05	1.25	.10	3.93
53	.11	.21	.17	1.04	.70	2.05	.39	1.30	.44	.24	.48	.29	2.05
54	.12	.01	.27	.38	.35	.92	.85	1.06	1.13	.25	.05	.16	1.13
55	.05	.42	.17	.11	.66	.50	1.67	.28	.40	.13	.17	.25	1.67
56	.27	.13	.58	.85	.87	.81	1.36	.58	.60	.65	.71	.09	1.36
57	.09	.10	.04	.90	.64	2.77	1.01	.66	3.37	.98	.63	.03	3.37
58	.06	.06	.01	.54	.35	1.16	2.70	1.77	.23	.59	.52	.02	2.70
59	.11	.09	.06	.25	.93	1.51	2.18	1.19	.33	.78	.19	.29	2.18
60	.05	.03	.03	1.61	.69	.62	1.39	1.68	.59	1.06	1.62	.73	1.68
61	.05	.05	.34	.84	.93	.50	1.05	1.00	1.46	.65	.02	.15	1.48
62	.28	.35	.34	.49	1.50	1.15	1.72	1.69	.81	.59	.26	.09	1.72
63	.04	.14	.14	1.69	1.16	.54	.16	2.10	.28	.18	.12	.18	2.10
64	.27	.10	.41	1.46	.39	2.69	.35	1.51	.49	.08	.52	.28	2.69
66	.31	.18	.67	.74	.55	.72	1.55	1.19	.24	.71	.07	.18	1.55
67	.35	.04	.15	.96	.57	.90	.25	.16	.10	.53	.01	.57	.96
68	.10	.12	.64	.91	.45	.82	.70	.58	.49	.72	.14	.20	.91
69	.28	.13	.33	1.05	.98	.99	2.85	.31	.84	.43	.09	.21	2.85
70	.02	.05	.85	1.02	.81	.94	.24	.85	2.86	.25	.38	.24	2.86
71	.39	.28	.25	.61	1.15	.78	.76	.23	2.15	1.37	.56	.13	2.15
72	.57	.18	.35	.57	1.38	.25	1.05	.96	.87	.37	.11	.63	1.38
73	.06	.06	.82	.30	.60	.42	1.03	1.65	2.07	.86	.35	.42	2.07
74	.10	.09	.22	1.00	1.05	.37	2.95	2.78	.10	1.60	.46	.09	2.95
75	.22	.07	.64	.59	.51	2.78	.99	1.20	.85	.78	.31	.09	2.78
76	.33	.26	.42	.34	.34	.46	.30	.13	.45	.14	.17	.06	.46
77	.20	.73	.70	.31	4.02	.59	3.06	.95	1.00	1.52	1.50	.49	4.02
78	.04	.09	.24	.35	.44	2.41	1.45	1.94	.25	.08	.66	.23	2.41
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

14 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
7[illegible]	.14	.41	.59	.83	.43	1.21	2.03	.30	.22	1.73	.17	.12	2.03
[illegible]	.78	.22	.27	.01	.39	.86	.22	1.81	1.33	.60	.21	.09	1.81
81	.13	.23	.28	.31	1.63								
MEAN	.226	.193	.368	.666	.850	1.080	1.357	1.067	.802	.642	.398	.248	2.064
S.D.	.177	.176	.257	.441	.671	.718	.970	.683	.799	.463	.398	.196	.847
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

NOTE * (BASED ON LESS THAN FULL MONTHS)

...L...RAL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

1 14 — STATION — ...LECTOR APT FARGO ND — STATION NAME — 48-64, 66-81 — YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4[illegible]	.77	1.60	.87	2.44	1.05	4.57	4.10	.88	.85	.53	.76	.37	18.79
4[illegible]	1.24*	.53	.36	.02	3.54	2.72	4.95	1.19	.36	2.76	.79	1.31	*19.77
5[illegible]	1.36	.26	2.21	1.79	5.00	2.29	.42	.42	1.54	.99	.50	.60	17.38
51	.45	.72	.85	.46	1.63	2.36	3.77	5.64	.79	1.69	.70	2.19	21.25
52	1.07	.30	.68	.24	.47	2.03	8.42	2.69	.15	.08	1.67	.47	18.27
53	.37	.57	.46	2.94	3.44	5.23	1.08	2.94	.75	.32	.77	.71	19.57
54	.47	.03	.65	1.13	.81	1.46	2.34	2.60	2.68	.59	.17	.25	13.18
55	.18	.97	.63	.48	1.81	2.62	6.86	1.11	1.27	.34	.70	.47	17.44
56	.72	.18	.91	1.45	1.63	2.85	3.58	1.75	.83	1.14	1.60	.31	16.95
57	.31	.23	.08	1.90	2.00	5.47	4.72	1.68	6.13	1.64	.82	.05	25.03
58	.16	.15	.03	1.39	1.41	5.08	5.74	3.93	.71	.72	1.58	.04	20.94
59	.13	.20	.08	.66	1.88	4.78	4.26	3.02	.77	1.61	.31	.53	18.23
60	.17	.06	.11	3.62	1.71	1.82	2.40	3.91	1.26	1.34	1.63	1.01	19.04
61	.09	.18	.38	2.27	2.71	1.36	3.00	1.02	4.44	1.70	.06	.57	17.78
62	1.07	.97	1.08	1.51	5.95	2.78	5.92	3.25	3.15	.86	.54	.30	27.38
63	.13	.33	.51	2.67	2.61	1.69	.66	4.41	1.19	.23	.12	.39	14.94
64	.54	.27	.92	3.76	.87	4.85	.77	2.85	1.70	.10	.72	.91	18.26
66	.40	.26	1.92	1.78	1.27	2.91	4.01	3.80	.54	1.40	.18	.50	18.97
67	1.03	.21	.34	4.14	1.00	2.54	.60	.41	.31	1.06	.04	1.36	13.04
68	.37	.27	1.29	4.09	2.08	3.94	1.49	1.61	2.23	1.75	.37	1.11	20.60
69	1.27	.46	.54	1.55	2.36	2.03	5.92	.38	1.55	1.51	.14	.81	18.52
70	.10	.20	1.52	2.30	2.83	2.63	.43	1.24	3.61	1.61	.96	.47	17.90
71	.81	.34	.56	1.10	2.68	3.51	2.80	.92	4.30	4.42	.83	.59	22.86
72	.94	.61	.74	.96	3.52	.58	2.78	3.45	1.22	1.25	.22	1.51	17.78
73	.12	.13	1.25	.70	1.65	1.78	3.60	3.85	4.98	1.54	.90	1.02	21.52
74	.35	.36	.71	3.40	4.03	.90	4.75	6.46	.13	3.10	.48	.32	24.99
75	1.32	.27	1.48	3.24	1.45	9.40	2.42	2.90	1.24	1.76	.64	.18	26.30
76	1.25	.35	1.00	1.19	.46	2.34	.63	.41	.55	.16	.26	.24	8.84
77	.65	1.24	1.72	.84	7.30	1.64	5.36	2.53	3.21	2.46	4.58	.75	32.28
78	.16	.18	.43	1.15	1.78	4.40	2.92	3.79	.92	.13	1.11	.47	17.44
MEAN													
S.D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GL[illegible]AL CLIMATOLOGY BRANCH
USAFETAC
AI[illegible]EATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

1 14 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	.44	1.74	2.00	3.04	2.02	2.92	3.38	.90	.31	2.60	.48	.14	19.97
80	1.23	.57	.62	.22	.64	2.68	.76	4.24	2.52	1.06	.47	.30	15.11
81	.11	.49	.67	.61	3.46								
MEAN	.599	.459	.836	1.783	2.335	3.068	3.276	2.506	1.756	1.327	.784	.633	19.373
S.D.	.438	.421	.568	1.212	1.552	1.743	2.082	1.590	1.550	.980	.833	.474	4.560
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
52-64, 66-81 — YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	30.9	39.9	15.7	8.6	2.9	1.0	.6	.3	.1	.1				29.4	868	7.7	18.3	1.3
FEB	40.2	34.4	15.8	5.7	2.0	1.0	.4	.5						25.4	791	5.5	19.5	.3
MAR	53.9	26.4	10.4	5.3	2.0	.9	.7	.5						19.7	868	5.9	18.7	TRACE
APR	77.9	13.7	3.0	3.1	1.3	.4	.2	.4	.1					8.5	840	3.3	12.8	TRACE
MAY	96.5	2.8	.5	.2										.7	868	.1	.9	.0
JUN	100.0														810	.0	.0	.0
JUL	100.0														868	.0	.0	.0
AUG	100.0														868	.0	.0	.0
SEP	99.6	.4													840	TRACE	TRACE	.0
OCT	90.1	7.6	.8	1.0	.3	.1								2.3	868	.6	3.8	.0
NOV	59.6	27.1	7.1	3.6	1.2	.6	.2	.2		.2				13.2	840	4.1	24.2	.4
DEC	38.7	35.5	13.2	8.6	2.1	1.2	.3	.2	.1					25.8	868	6.4	16.5	.9
ANNUAL	73.9	15.6	5.5	3.0	1.0	.4	.2	.2	.0	.0				10.4	10197	33.6		

1210 WS FORM JUL 64 0-15-5 (OL.1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

14914 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
47	3.4	5.7	2.6	.7	TRACE	.0	.0	.0	.0	TRACE	5.0	1.1	5.7
48	6.8*	1.8	1.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	3.0	5.7	6.8
50	3.4	1.0	2.4	2.6	1.0	.0	.0	.0	.0	1.0	2.5	2.2	3.4
51	1.7	10.8	3.4	1.3	.0	.0	.0	.0	.0	7.0	2.4	5.2	10.8
52	6.1	1.0	3.7	1.8	.0	.0	.0	.0	.0	TRACE	.5	1.5	6.1
53	.7	3.1	1.9	.7	TRACE	.0	.0	.0	.0	TRACE	4.5	3.0	4.5
54	1.9	.1	2.0	.4	.9	.0	.0	.0	.0	TRACE	.4	1.6	2.0
55	.5	4.2	1.7	.3	.0	.0	.0	.0	.0	TRACE	2.3	2.5	4.2
56	2.7	1.3	6.0	3.4	.0	.0	.0	.0	TRACE	.0	.3	1.0	6.0
57	1.0	2.7	.4	1.2	.0	.0	.0	.0	TRACE	TRACE	1.0	.6	2.7
58	.7	1.4	.7	TRACE	.0	.0	.0	.0	.0	TRACE	3.0	.5	3.0
59	1.7	1.1	.1	1.0	TRACE	.0	.0	.0	.0	.5	2.1	.8	2.1
60	2.4	.5	.6	5.2	.2	.0	.0	.0	.0	TRACE	10.9	1.6	10.9
61	.6	1.0	TRACE	1.0	TRACE	.0	.0	.0	.0	TRACE	.2	1.9	1.9
62	3.0	3.1	3.4	1.3	.0	.0	.0	.0	.0	.2	2.8	.9	3.4
63	.6	1.8	1.4	6.0	.1	.0	.0	.0	.0	.0	.4	1.8	6.0
64	4.6	2.6	3.7	3.5	.0	.0	.0	.0	.0	TRACE	2.0	3.7	4.6
66	4.0	.7	6.4	2.3	.0	.0	.0	.0	.0	1.3	.8	1.4	6.4
67	4.1	.5	2.9	2.7	TRACE	.0	.0	.0	.0	.7	.5	5.4	5.4
68	1.3	1.2	1.4	5.4	.4	.0	.0	.0	.0	.8	1.4	2.8	5.4
69	2.8	4.5	1.5	TRACE	TRACE	.0	.0	.0	.0	1.5	1.5	2.5	4.5
70	.6	.9	2.6	8.6	TRACE	.0	.0	.0	.0	.9	4.1	3.0	8.6
71	4.7	3.2	.5	.5	TRACE	.0	.0	.0	.0	2.0	.8	1.9	4.7
72	7.0	2.0	3.4	1.1	.0	.0	.0	.0	TRACE	2.7	.9	7.2	7.2
73	.6	.6	1.0	2.4	.0	.0	.0	.0	.0	TRACE	1.3	4.4	4.4
74	1.5	2.1	2.6	2.3	.0	.0	.0	.0	.0	.4	.5	1.1	2.6
75	2.7	2.0	6.4	2.2	TRACE	.0	.0	.0	.0	.4	3.1	.8	6.4
76	4.1	5.0	4.0	TRACE	.1	.0	.0	.0	.0	.1	1.7	2.0	5.0
77	2.6	4.9	2.8	1.1	.0	.0	.0	.0	.0	TRACE	12.0	2.0	12.0
78	1.0	1.7	4.0	2.2	.0	.0	.0	.0	.0	TRACE	3.7	5.3	5.3
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

14 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV.	DEC	ALL MONTHS
79	2.3	6.4	1.2	1.4	.8	.0	.0	.0	.0	1.4	2.5	1.0	6.4
80	10.5	2.2	3.1	TRACE	.0	.0	.0	.0	.0	.5	.5	2.0	10.5
81	.6	2.3	.3	TRACE	.0								
MEAN	2.75	2.55	2.41	1.90	.11	.00	.00	.00	TRACE	.66	2.46	2.45	5.55
S D	3.33	2.218	1.724	1.994	.268	.000	.000	.000	.000	1.337	2.701	1.720	2.677
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

L.PAL CLIMATOLOGY BRANCH
.PETAC
A. EATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

1 14 (STATION) HECTOR APT FARGO ND (STATION NAME) 48-64, 66-81 (YEARS)

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	7.3	15.8	7.2	1.2	TRACE	.0	.0	.0	.0	TRACE	9.8	3.8	45.1
49	12.3*	5.6	2.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	5.3	10.8	* 36.3
50	14.9	2.5	10.2	12.4	1.0	.0	.0	.0	.0	1.0	4.9	7.2	54.1
51	5.7	12.1	11.5	2.0	.0	.0	.0	.0	.0	8.1	7.9	20.3	67.6
52	11.2	3.2	9.9	1.8	.0	.0	.0	.0	.0	TRACE	.8	6.3	33.2
53	3.3	6.4	4.6	.9	TRACE	.0	.0	.0	.0	TRACE	6.5	8.6	30.3
54	7.0	.3	4.9	.5	.9	.0	.0	.0	.0	TRACE	1.1	3.3	18.0
55	2.8	12.0	7.4	.3	.0	.0	.0	.0	.0	TRACE	6.0	4.9	33.4
56	7.9	1.8	9.2	4.7	.0	.0	.0	.0	TRACE	.0	.5	3.2	27.3
57	3.3	4.4	.7	2.8	.0	.0	.0	.0	TRACE	TRACE	1.6	1.2	14.0
58	2.8	1.9	1.8	TRACE	.0	.0	.0	.0	.0	TRACE	6.5	.9	13.9
59	2.0	3.5	.2	1.1	TRACE	.0	.0	.0	.0	.7	3.6	1.5	12.6
60	6.2	1.2	2.4	7.9	.2	.0	.0	.0	.0	TRACE	11.0	3.6	32.5
61	1.6	2.3	TRACE	2.8	TRACE	.0	.0	.0	.0	TRACE	.5	6.5	13.7
62	10.9	10.1	10.7	2.0	.0	.0	.0	.0	.0	.2	3.1	2.5	39.5
63	1.3	3.9	5.3	6.0	.1	.0	.0	.0	.0	.0	.4	4.3	21.3
64	8.4	6.2	8.4	9.2	.0	.0	.0	.0	.0	TRACE	2.7	11.9	46.8
66	5.3	1.1	15.4	5.0	.0	.0	.0	.0	.0	1.2	1.3	3.4	32.4
67	15.1	2.6	4.9	5.0	TRACE	.3	.0	.0	.0	.7	.7	10.3	39.3
68	4.3	2.4	2.0	11.6	.4	.0	.0	.0	.0	.8	3.9	11.4	36.5
69	14.5	7.8	3.0	TRACE	TRACE	.0	.0	.0	.0	2.0	1.9	9.5	38.7
70	2.3	3.6	9.1	12.8	TRACE	.0	.0	.0	.0	.9	6.4	8.3	43.4
71	15.1	4.8	1.8	1.0	TRACE	.0	.0	.0	.0	3.8	2.3	10.0	38.8
72	16.5	10.9	7.1	3.1	.0	.0	.0	.0	TRACE	3.8	1.7	18.5	61.6
73	1.7	1.4	1.4	2.4	.3	.0	.0	.0	.0	TRACE	3.9	12.3	23.1
74	6.1	7.1	10.5	2.7	.0	.0	.0	.0	.0	.4	1.0	5.1	32.9
75	18.3	5.9	18.7	3.7	TRACE	.3	.0	.0	.0	.4	3.8	1.9	52.7
76	14.3	6.2	14.0	TRACE	.1	.0	.0	.0	.0	.1	2.7	5.5	42.6
77	12.6	10.7	4.6	2.1	.0	.3	.0	.0	.0	TRACE	24.2	7.2	61.4
78	4.6	3.9	7.1	2.6	.0	.0	.0	.0	.0	TRACE	8.5	11.7	38.6
MEAN													
S.D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

14 HECTOR APT FARG ND 48-64, 66-81
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV	DEC	ALL MONTHS
79	7.8	19.5	4.3	2.7	.8	.0	.0	.0	.0	1.4	6.0	1.5	44.0
80	17.3	7.2	6.5	TRACE	.0	.0	.0	.0	.0	.5	1.1	4.6	37.2
81	2.1	4.5	.3	TRACE	.0								
MEAN	8.06	5.85	6.28	3.35	.11	.00	.00	.00	TRACE	.81	4.43	6.94	36.34
S.D.	5.383	4.545	4.664	3.644	.268	.000	.000	.000	.000	1.654	4.627	4.793	14.366
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

14914 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.0	6.9	8.8	11.0	7.7	27.4	33.3	4.0						92.1	992			
FEB	1.9	5.4	10.3	12.0	12.5	25.8	25.7	6.3						92.7	902			
MAR	22.0	19.5	10.5	6.9	8.3	11.6	15.8	5.5						58.6	992			
APR	75.9	13.3	4.0	2.3	1.7	2.4	.4							10.7	960			
MAY	98.3	1.5	.2											.2	992			
JUN	100.0														930			
JUL	100.0														961			
AUG	100.0														961			
SEP	100.0														930			
OCT	96.9	2.0	.5	.4		.2								1.1	961			
NOV	54.4	22.4	7.0	5.2	4.4	5.1	.5	1.1						23.2	930			
DEC	10.9	16.0	15.8	10.5	13.3	23.0	9.2	1.1						73.0	960			
ANNUAL	63.4	7.2	4.8	4.0	4.0	8.0	7.1	1.5						29.3	11471			

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

1 14 HECTOR APT FARGO ND 52-64, 66-81
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52							0	0	0	0	TRACE	3	
53	4	4	2	TRACE	0	0	0	0	0	0	6	7	7
54	12	10	2	1	1	0	0	0	0	0	1	3	12
55	3	8	7	TRACE	0	0	0	0	0	0	3	5	8
56	7	7	8	5	0	0	0	0	0	0	TRACE	1	8
57	2	3	TRACE	2	0	0	0	0	0	0	1	1	3
58	2	4	1	0	0	0	0	0	0	0	5	4	5
59	3	4	TRACE	0	0	0	0	0	0	TRACE	1	1	4
60	6	4	3	6	0	0	0	0	0	0	11	10	11
61	5	3	TRACE	1	0	0	0	0	0	0	TRACE	5	5
62	8	10	14	3	0	0	0	0	0	TRACE	3	1	14
63	1	2	2	6	0	0	0	0	0	0	TRACE	4	6
64	6	3	6	3	0	0	0	0	0	0	3	11	11
66	7	4	15	2	0	0	0	0	0	TRACE	1	3	15
67	11	8	3	2	TRACE	0	0	0	0	1	1	8	11
68	9	3	2	4	TRACE	0	0	0	0	TRACE	1	7	9
69	17	16	16	7	0	0	0	0	0	2	2	7	17
70	7	6	7	5	TRACE	0	0	0	0	1	4	3	7
71	10	14	3	1	0	0	0	0	0	1	1*	5	14
72	10	9	9	1	0	0	0	0	0	2	1	13	13
73	13	2	1	TRACE	0	0	0	0	0	0	2	6	13
74	6	9	4	4	0	0	0	0	0	1	1	3	9
75	8	7	10	8	0	0	0	0	0	TRACE	3	2	12
76	9	8	10	TRACE	TRACE	0	0	0	0	TRACE	1	2	10
77	8	9	4	1	0	0	0	0	0	0	17	15	17
78	10	11	14	2	0	0	0	0	0	0	4	12	14
79	12	24	19	4	1	0	0	0	0	0	3	1	24
80	11	6	5	TRACE	0	0	0	0	0	TRACE	TRACE	1	11
81	2	2	1	TRACE	0								
MEAN	7.5	7.1	6.0	2.4	.1	.0	.0	.0	.0	.3	2.7	5.1	10.5
S.D	3.892	4.919	5.470	2.410	.262	.000	.000	.000	.000	.585	3.650	4.073	4.684
TOTAL OBS	668	791	868	840	868	810	868	868	840	868	840	867	10196

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

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.

C

L.NAL CLIMATOLOGY BRANCH
F ETAC
A WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

1 1 STATION HECTOR APT FARGO ND STATION NAME 70-81 YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
70	NW	36NW	50NW	35W	55NW	44NW	38NW	37NW	44NW	40NW	33S	42W	39	M 55
71	NW	34NW	42NW	34SE	37N	33S	42NW	43W	49W	35SE	45W	39SE	33	M 49
72	NW	42NW	49NW	43NW	31NE	35W	38NW	42NW	37W	41NW	37NW	31NE	36	NW 49
73	N	40N	*36SE	*36SE	47NW	39W	40N	36W	57SE	42S	49NW	32NW	47	M 57
74	SE	36NW	36NW	42SE	41SE	52NW	46NW	57NW	47NW	41N	38SE	39N	32	NW 57
75	NW	52NW	42N	35SE	37NW	43N	53SW	48SE	43W	36SE	43N	36NW	36	M 53
76	N	40S	40NW	45S	48N	40NW	70SE	35N	50N	41NW	50NW	51N	38	NW 70
77	N	45NW	40NE	38N	40SW	45NW	44SE	44SE	50NW	44SE	44NW	53N	39	NW 53
78	N	44NW	39NW	38NW	43S	33SW	43NW	62W	35S	39N	39NW	38W	40	NW 62
79	SE	33NW	39NW	45NW	45S	42SE	52SW	51N	33S	38N	47N	39NW	44	SE 52
80	N	50SE	36NW	44N	42S	43W	40SW	32SE	39NW	38SE	45NW	33NW	45	N 50
81	N	36N	39SE	33S	41S	39								
MEAN		40.8	41.1	39.3	42.3	40.7	46.0	44.3	44.0	39.5	43.2	39.4	39.2	55.0
S.D.		6.043	4.592	4.650	6.151	5.449	9.434	9.488	7.430	2.659	4.600	7.117	4.708	6.600
TOTAL OBS		372	336	353	360	372	330	341	340	330	341	330	341	4146

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

AL CLIMATOLOGY BRANCH
ETAC
FAT ... SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	VICTOR ART FARGO ND	74-81	JAN

CLASS: ALL WEATHER

HOURS (L.S.T.): 0000-2300

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	1.7	2.2	5.9	2.3	1.3	.5	.1				14.5	14.1
NNE	.1	1.2	.7	.5								[illegible]	7.9
NE	.3	.3	.9									1.5	6.5
ENE	.3	.3	.1									1.2	4.9
E		1.9	1.1	.1								2.7	6.6
ESE		.7	.1	.3								1.1	7.5
SE	.4	.7	.4	.9	.3							2.7	9.7
SSE	.1	.	1.6	4.4	.8	.4						7.3	12.5
S	.7	2.4	6.6	4.2	.3							14.2	8.9
SSW	.4	1.5	3.0	.4								5.4	7.4
SW	.3	1.1	1.3	.3								3.0	6.5
WSW	.1	1.9	2.2	.5								4.6	7.6
W	.8	2.3	2.4	2.2	.4							8.7	8.3
WNW		1.7	1.5	1.5	.4	.5	.1					5.8	11.4
NW	.4	1.3	2.0	1.5	.8	.1	.4	.1				6.7	11.7
NNW	.1	1.1	1.2	2.6	1.2	1.7	.1	.3				8.7	14.8
VARBL													
CALM												5.2	
	.4	21.5	37.3	25.3	6.5	4.2	1.2	.5				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 744

...AL CLIMATOLOGY BRANCH
...ETAC
...WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	...CTOR APT FARGO ND	74-81	JAN

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 0300-0900

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	2.6	5.8	1.5	1.6	.9					14.4	14.1
NNE	.3	1.1	.4									1.7	5.3
NE	.3	.9	.5	.1								1.9	5.9
ENE	.1	.1										.4	3.0
E	.1	.7	.4	.3								1.6	6.6
ESE	.3	.9	.5	.1								2.4	5.7
SE	.1	.9	.7	1.2	.1							3.1	9.7
SSE	.1	.9	2.6	3.8	1.5							8.9	12.0
S	.3	3.4	5.5	5.0	.3	.1						14.5	9.3
SSW	.3	1.5	2.1	.4								4.2	6.8
SW	.4	1.3	2.0	.7								4.4	7.1
WSW	.4	.9	2.3	.4								4.2	7.3
W		2.2	3.2	2.3		.3						7.9	9.6
WNW	.3	1.9	1.9	1.6	.4	.8	.1					6.9	11.2
NW		1.3	2.0	.9	.8	1.1	.1	.4				6.7	14.3
NNW		.8	2.4	2.6	1.5	.9	.3					8.6	13.6
VARBL													
CALM												8.3	
	4.2	20.6	29.0	25.1	6.0	4.8	1.5	.4				100.2	9.7

TOTAL NUMBER OF OBSERVATIONS 744

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

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 1... HECTOR APT FARGO ND | 74-81 | JA...
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 1600-2300
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	1.2	4.7	3.2	2.0	2.7	.3					14.5	14.3
NNE	.1	.5	1.2									2.2	8.4
NE		.5	.4	.1								1.5	7.5
ENE		.3	.4	.1								1.1	7.5
E		.1	.4	.3								.8	10.3
ESE		.3	.3	.1								.7	7.5
SE		.6	2.3	.8								3.6	8.5
SSE	.1	.9	2.6	3.4	.8	.4	.1					8.3	11.9
S	.7	2.4	3.1	4.3	1.1	.3						16.5	9.8
SSW	.4	1.1	1.7	.1								3.4	7.3
SW	.3	1.1	1.9	.7								3.9	7.7
WSW		2.2	1.9	.4								4.4	7.2
W	.7	1.7	3.4	1.2	.4	.1						7.5	8.7
WNW	.1	2.3	3.8	1.2	1.2	.1	.3					8.9	10.6
NW	.4	1.1	1.3	1.2	.9	.1	.1	.3				5.5	12.6
NNW	.3	1.7	3.5	1.5	1.7	.8						9.6	11.6
VARBL													
CALM												7.3	
	3.4	19.2	37.6	19.7	8.2	4.6	.8	.3				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 743

...AL CLIMATOLOGY BRANCH
...TAC
...AT... SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1...	...HECTOR ART FARGO ND	74-81	JAN

CLASS: ALL WEATHER

CONDITION:

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

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	2.9	4.4	4.0	2.9	2.6						16.1	13.4
NNE		.1	.7	.7	.1							1.6	13.9
NE	.1	.3	.7	.3								1.5	9.4
ENE	.7	.5	.4									1.2	6.5
E	.5	.4	.5	.1								1.5	8.3
ESE		.3	.7	.3								1.3	7.5
SE	.7	.3	1.2	1.7	.5							4.3	11.1
SSE		.4	1.3	2.8	1.6	.1						6.3	13.4
S		1.3	5.8	6.2	1.1	.5	.1					15.2	11.4
SSW	.1	1.2	1.9	1.2								4.4	8.8
SW	.1	1.2	1.9	1.1	.1							4.4	8.5
WSW	.5	1.2	2.7	.7								5.1	7.3
W	.7	1.7	3.2	1.6	.5	.1	.1					8.1	9.2
WNW	.4	1.2	2.3	2.7	1.1	.3	.3	.1				8.3	12.3
NW		1.1	1.5	1.5	.9	.4		.4				5.8	13.7
NNW	.4	.5	1.3	2.6	1.5	.8	.1					7.3	13.9
VARBL													
CALM												7.7	
	3.8	14.2	30.5	27.4	10.3	4.8	.7	.5				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION — HECTOR APT FARGO ND — STATION NAME — 74-81 — YEARS — JAN — MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.6	2.9	4.4	4.0	3.0	.5					16.5	15.6
NNE	.1	.7	.5	.8	.3							2.4	10.1
NE		.?	.5									.6	7.5
ENE		.?	.1									.6	6.3
E	.1	.7	.5									1.3	6.1
ESE		.4	1.7	.8								3.0	9.1
SE	.1	.1	1.2	.7	.7							2.8	11.6
SSE		.?	.8	2.4	1.5	.5	.1					5.9	14.6
S	.1	.?	4.6	6.5	1.7	.1						13.8	11.9
SSW	.1	.?	1.5	1.5	.1							3.8	10.2
SW	.?	1.5	2.3	.7								4.7	7.9
WSW	.1	.?	2.6	1.2	.3	.1						4.8	9.9
W	.3	1.5	2.4	3.6	.4							8.2	10.1
WNW	.3	1.3	2.6	4.0	.9	.7	.1	.7				10.6	13.6
NW	.1	1.1	2.0	1.6	1.3	.5		.1				6.9	12.6
NNW	.3	.5	1.6	3.4	2.2	1.3		.1				9.4	14.9
VARBL													
CALM												4.2	
	2.2	12.8	27.8	31.6	13.4	6.3	.8	.9				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
USAF
WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible] | HECTOR AFT FARGO ND | 74-81 | JAN
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

CONDITION

[illegible]-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	.[illegible]	1.[illegible]	3.6	6.5	4.3	1.2	.4					17.6	14.2
NNE		.[illegible]	.[illegible]	.4								1.2	[illegible].7
NE	.1	.1	.1	.1								.5	7.[illegible]
ENE		1.1	.1	.1								1.3	[illegible].3
E	.1	.4	.4	.1								1.1	7.[illegible]
ESE	.1	.[illegible]	1.[illegible]	.1								[illegible].[illegible]	7.[illegible]
SE		.[illegible]	.[illegible]	1.1	.1							[illegible].7	12.[illegible]
SSE		.[illegible]	1.9	3.4	1.3	.4	.3					[illegible].1	13.[illegible]
S		[illegible].2	5.1	6.1	1.6	.1						1[illegible].1	11.[illegible]
SSW	.[illegible]	.4	1.5	.5								[illegible].5	7.[illegible]
SW	.1	.[illegible]	1.9	1.1								3.[illegible]	9.[illegible]
WSW		1.2	1.2	.9								3.4	[illegible].[illegible]
W	.[illegible]	2.[illegible]	1.6	2.8	.3							7.6	[illegible].[illegible]
WNW	.1	1.[illegible]	2.[illegible]	2.6	.4	.1	.5					[illegible].5	11.[illegible]
NW		.[illegible]	2.3	3.4	.9	.[illegible]		.1				9.1	13.1
NNW	.1	.[illegible]	2.6	3.4	2.6	1.1	.4	.4				11.4	14.[illegible]
VARBL													
CALM												4.[illegible]	
	[illegible].2	15.[illegible]	[illegible]8.3	32.6	11.6	3.6	1.6	.5				1[illegible].[illegible]	11.[illegible]

TOTAL NUMBER OF OBSERVATIONS 743

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

...AL CLIMATOLOGY BRANCH
TAC
...AT... SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1 1-	HECTOR APT FARGO ...D	74-81	JAN

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.2	3.8	6.0	3.2	.7	.5					16.7	13.2
NNE	.1	.3	.9	.3	.1							1.7	9.4
NE	.1	.7	.7									1.5	6.0
ENE	.4	.4	.7									1.5	5.6
E	.4	.3	.8									2.0	5.6
ESE	.3	.2	.5									1.7	5.3
SE		.4	1.7	.7	.3							3.1	10.3
SSE		.4	3.0	3.9	1.3	.1	.3					9.0	12.9
S	.4	2.2	6.7	4.4	1.2	.1						15.1	10.2
SSW	.2	1.1	1.5	.8	.1							3.5	6.4
SW	.3	1.5	.5	.7	.1							3.1	6.3
WSW	.2	1.1	2.4	.4	.1							4.3	7.9
W		1.7	3.2	1.1								6.0	8.2
WNW	.4	1.5	3.9	1.5	.5	.1	.3					8.2	9.9
NW	.5	.8	2.2	1.6	.8		.1					6.0	11.0
NNW	.1	1.1	2.4	3.1	1.2	.2	.5	.3				9.3	14.0
VARBL													
CALM												8.7	
	3.0	16.9	34.9	24.5	9.1	1.9	1.7	.3				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1 1	HECTOR ART FARGO ND	74-81	JAN

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.0	3.1	4.7	3.2	1.2	.7					14.9	14.1
NNE	.3	.3	1.3	.7	.1							2.7	9.3
NE		1.2	.4									1.6	5.4
ENE		1.5	.5									2.0	5.5
E	.1	.2	.1									1.2	5.4
ESE	.1	1.1	.5									1.7	5.9
SE	.1	.3	.7	1.1	.3							3.5	9.6
SSE	.1	.8	2.3	3.1	1.3	.3	.1					8.1	12.6
S	.1	2.3	5.4	5.0	.7	.3						13.4	10.2
SSW	.3	1.5	2.3	.8	.1							5.0	7.8
SW		1.3	1.5	.9								3.6	8.5
WSW		.8	1.3	1.6								3.9	9.5
W	.1	1.9	4.4	.9	.1							7.5	8.4
WNW	.3	2.6	1.6	1.3	.7	.4						6.9	10.1
NW	.1	1.5	1.1	1.3	.7	.3	.4	.1				5.5	13.0
NNW		2.2	2.2	2.3	2.3	.8	.3	.3				10.2	13.7
VARBL													
CALM												8.6	
	1.9	22.3	28.8	23.8	9.5	3.2	1.5	.4				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — CTOR APT FARGO ND — 74-91 — JAN

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER

CLASS — HOURS (L.S.T.) ALL

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	3.4	5.1	2.9	1.8	.5	.0				15.7	14.1
NNE	.1	.6	.8	.4	.1							2.0	8.5
NE	.1	.6	.5	.1								1.3	8.5
ENE	.2	.7	.3	.0								1.2	9.8
E	.2	.7	.5	.1								1.5	8.4
ESE	.2	.7	.7	.2								1.8	7.0
SE	.1	.6	1.1	1.0	.3							3.1	10.1
SSE	.1	.7	2.0	3.4	1.3	.3	.1					7.8	12.9
S	.3	2.1	6.0	5.2	1.0	.2	.0					14.8	10.3
SSW	.3	1.1	1.9	.7	.1							4.1	8.7
SW	.3	1.2	1.7	.8	.0							3.9	7.9
WSW	.2	1.2	2.1	.8	.1	.0						4.3	9.1
W	.4	2.0	3.0	2.0	.3	.1	.0					7.7	8.9
WNW	.3	1.7	2.5	2.1	.7	.4	.2	.1				8.0	11.4
NW	.2	1.1	1.8	1.6	.9	.4	.2	.2				6.4	12.8
NNW	.2	1.2	2.2	2.7	1.8	1.0	.2	.2				9.3	13.9
VARBL													
CALM												6.9	
	3.3	17.2	30.5	26.1	9.3	4.2	1.2	.5				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 5952

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

AL CLIMATOLOGY BRANCH
TAC
SERVICE/MAC

SURFACE WINDS

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

1 14 — HECTOR APT FARGO ND — 74-81 — FEB

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — CLASS

2000-0600 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.1	5.9	4.4	2.4	2.2						17.3	12.6
NNE	.4	1.2	1.3	1.0	.1							3.[illegible]	[illegible].4
NE	.6	1.2	1.2	.3								3.2	6.4
ENE	.3	.7	.3	.1								1.[illegible]	5.7
E	.3	1.6	.3	.1								2.4	5.4
ESE	.4	1.3	.4	.3								2.[illegible]	5.6
SE	.1	1.9	1.0	.6								3.[illegible]	7.[illegible]
SSE		1.7	1.5	3.4	2.2	1.0						[illegible].4	13.[illegible]
S	.6	2.9	5.[illegible]	6.0	1.0							15.7	10.1
SSW		1.9	1.[illegible]	.6								3.5	6.[illegible]
SW	.1	1.1	.6	.4								[illegible].2	6.9
WSW	.1	1.6	.9	.1								2.6	6.4
W	.4	1.[illegible]	1.2	1.[illegible]	.1							4.7	6.[illegible]
WNW	.[illegible]	1.2	2.9	1.0	.1							5.9	8.4
NW	.4	1.[illegible]	2.7	1.2	.1	.9						6.[illegible]	10.7
NNW	.3	1.[illegible]	2.1	2.4	1.6	.3						[illegible].4	11.6
VARBL													
CALM												5.3	
	.2	24.6	29.1	23.2	7.8	4.4						1[illegible].0	9.4

TOTAL NUMBER OF OBSERVATIONS 679

...L CLIMATOLOGY BRANCH
...TAC
... FAT... SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
... CTOR APT FARGO ND — STATION NAME
74-81 — YEARS
... — MONTH
ALL WEATHER — CLASS
0300-0600 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.?	5.5	4.6	2.4	1.9	.1					17.7	12.4
NNE	.?	.3	1.6	.1	.1							?.?	7.9
NE		.?	.6	.1								1.0	7.7
ENE	.1	1.?	.4	.4								?.7	6.3
E	.?	1.2	.6	.6								?.7	7.?
ESE	.3	.?	.6	.6								?.?	7.5
SE	.3	1.6	.7	.9								3.5	7.5
SSE	.1	1.?	3.1	2.9	2.2	.4						10.?	12.?
S	.7	4.1	5.3	3.8	1.2							15.2	9.1
SSW	.1	1.?	1.8	.4	.1							4.?	7.7
SW	.?	1.3	1.2	.1								?.9	6.?
WSW	.1	1.2	.4	1.2								?.9	?.?
W	.3	1.?	1.3	.6								3.?	7.5
WNW	1.?	1.2	1.?	.4	.4	.3						5.?	6.5
NW	.1	1.3	1.9	1.5	.1	1.0						6.?	11.2
NNW	.1	2.?	3.2	3.1	.6	.7	.3					10.9	11.2
VARBL													
CALM												6.3	
	4.7	25.?	30.1	21.5	7.2	4.4	.4					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 67?

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

...AL CLIMATOLOGY BRANCH
...TAC
...ATHER SERVICE/MAC

SURFACE WINDS

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

14 — HECTOR APT FARGO ND — 74-81 — FE...
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — ...-...
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	.6	3.4	3.8	5.0	3.2	.9	.4					17.4	12.3
NNE	.1	1.9	1.8	.4	.1							4.3	7.7
NE		.7	.4	.4								1.5	7.8
ENE		1.1	.8	.1								2.1	7.5
E	.7	1.3	.7	.1								2.7	6.7
ESE	.3	.7	1.6	.1								2.8	6.3
SE	.1	1.3	.7	1.6	.1							3.8	9.1
SSE		1.3	2.1	2.4	2.1	1.6						9.5	13.6
S	.4	3.5	6.8	2.7	.9							13.7	8.9
SSW	.4	2.2	1.9	.6								5.3	6.8
SW	.1	1.1	.6	.4								2.4	7.5
WSW	.1	1.5	1.5	.6								3.8	7.3
W	.4	1.1	2.1	.9	.4							4.9	9.3
WNW	.6	1.3	1.3	.4	.1	.4						4.3	9.2
NW	.3	2.1	3.1	1.2		.7						7.4	9.7
NNW		3.4	2.1	1.5	.7	1.0						8.7	10.7
VARBL													
CALM												5.6	
	4.7	28.0	30.7	18.6	7.8	4.1	.4					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 678

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

...L CLIMATOLOGY BRANCH
...TAC,
...FATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
FEB — MONTH
ALL WEATHER — CLASS
0700-1100 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.2	4.9	5.0	3.8	1.6	.1					19.5	12.5
NNE		.9	1.3	.6	.1							2.9	8.9
NE	.3		.6	.4								1.3	9.6
ENE		.3	.7	.3								1.3	8.4
E		.3	.7	.7								1.7	8.3
ESE		.5	.6	.4								1.5	7.9
SE		.7	1.8	1.3	.3	.1						4.4	10.8
SSE		.4	1.3	2.8	1.6	1.2						7.5	14.6
S	.3	1.3	5.2	4.0	1.2	.6						14.2	10.7
SSW	.1	1.5	2.8	.3								4.7	7.3
SW	.7	1.3	1.2									2.6	6.5
WSW	.3	.6	1.5	.6								2.7	8.0
W	.3	1.2	.6	1.0	.6							3.7	9.8
WNW	.4	1.5	1.9	1.5	.4	.7						6.5	10.9
NW	.7	.9	3.1	3.4	.6	.6						9.3	11.1
NNW	.4	1.5	3.5	1.9	1.2	.9	.3					9.7	12.0
VARBL													
CALM												5.5	
	4.2	17.4	32.7	24.3	9.9	5.8	.4					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 673

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

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

SURFACE WINDS

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

1 1[illegible] [illegible]CTOR APT FARGO ND | 74-81 | FE[illegible]
STATION | STATION NAME | YEARS | 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	.[illegible]	2.[illegible]	4.4	7.4	4.[illegible]	1.[illegible]	.6					[illegible].4	13.6
NNE		.[illegible]	1.[illegible]	.9	.4							3.4	11.5
NE	.1		.4	.3								.9	[illegible].[illegible]
ENE	.1	.4	.3	.4								1.[illegible]	[illegible].[illegible]
E		.1	.4	.3								.[illegible]	[illegible].[illegible]
ESE	.[illegible]	.1	1.[illegible]	.4								1.[illegible]	[illegible].[illegible]
SE	.1	.4	1.[illegible]	2.4	.4	.1						4.[illegible]	12.[illegible]
SSE		.1	2.1	1.8	2.1	1.[illegible]						7.1	14.9
S	.1	.[illegible]	2.[illegible]	[illegible].2	1.9	.4						12.[illegible]	12.[illegible]
SSW	.[illegible]	.4	2.1	1.0								3.[illegible]	[illegible].9
SW	.[illegible]	.[illegible]	1.3	.9								3.2	[illegible].[illegible]
WSW	.1	1.[illegible]	.[illegible]	.[illegible]								3.2	7.6
W	.[illegible]	1.6	2.2	1.[illegible]	.[illegible]	.1						6.5	9.5
WNW	.[illegible]	.6	1.2	1.5	.4	.6						4.6	12.4
NW	.[illegible]	1.2	2.2	[illegible].1	1.3	.6	.4					[illegible].4	12.[illegible]
NNW	.4	1.6	4.9	3.1	[illegible].[illegible]	.9	.3					14.2	12.7
VARBL													
CALM												[illegible].2	
	4.[illegible]	12.3	[illegible]9.1	30.6	14.2	5.3	1.3					[illegible]0.[illegible]	11.7

TOTAL NUMBER OF OBSERVATIONS 677

USAFETAC FORM JUL 66 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH
TAC
ENT AFB SERVICE/MAC

SURFACE WINDS

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

1 14 (STATION) | HECTOR APT FARGO ND (STATION NAME) | 74-81 (YEARS) | FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	3.5	7.4	4.4	1.5						18.9	14.2
NNE	.1	.4	1.9	1.8	.4							4.7	11.1
NE	.1	.6	.6	.4								1.7	7.6
ENE		.7	.9	.3								1.9	8.7
E		.1	.7									.9	7.8
ESE		.1	1.2	.1								1.5	6.1
SE		.9	1.9	1.6	.9	.1						5.5	11.5
SSE	.1	.3	1.5	3.7	1.3	.4						7.4	13.6
S	.1	2.7	3.4	5.3	1.5	.1						13.4	10.9
SSW	.3	.7	1.3	1.3	.1	.1						4.0	10.1
SW	.1	2.4	1.8	.9								5.2	7.4
WSW	.1	.7	.7									1.6	6.5
W	.1	1.5	1.9	1.6	.3	.1						5.5	10.1
WNW		1.3	1.6	1.5	.3	.1						4.8	10.5
NW	.3	1.7	1.8	2.2	1.3	1.5	.1					8.8	13.4
NNW	.3	1.9	3.4	4.6	2.4	1.3						13.9	13.6
VARBL													
CALM												2.9	
	2.2	15.7	27.3	32.7	13.0	5.9	.1					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 679

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

AL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1-14	HECTOR APT FARGO ND	74-81	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	5.3	7.7	3.5	.9						19.3	12.5
NNE		.6	2.1	1.3		.1						4.1	9.3
NE	.4	1.5	.6	.3								3.1	6.4
ENE	.3	1.6	.3	.4								2.7	6.4
E	.6	.6	1.0									2.2	5.9
ESE	.1	.7	1.2	.1								2.2	7.1
SE		1.3	1.9	1.5	.4	.3						5.2	10.9
SSE	.1	.6	1.9	3.8	1.2	.4						8.1	13.3
S	.1	1.3	6.9	4.0	.9							13.7	10.3
SSW		.7	.6	.3		.1						1.8	9.6
SW		1.2	1.3	.1								2.7	7.4
WSW	.1	1.4	1.3	.3								3.5	6.8
W	.6	1.3	1.6	.7								4.3	7.4
WNW		1.2	.6	2.2	.4							4.4	10.6
NW	.3	1.6	2.1	2.4	1.3	.1						7.8	11.3
NNW	.1	1.6	.9	2.7	1.6	.7	.1					7.8	13.4
VARBL													
CALM												7.1	
	3.4	18.6	29.6	27.9	9.4	2.8	.1					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 678

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1 14	HECTOR APT FARGO ND	74-21	FEB

CLASS: ALL WEATHER

CONDITION:

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

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	2.9	5.2	5.3	3.5	.6						17.1	12.2
NNE	.2	.4	1.3	1.6	.3							3.8	10.7
NE	.3	1.5	1.3									3.1	6.6
ENE	.1	1.3	.1									1.5	5.1
E	.3	1.6	.1									2.1	5.7
ESE	.4	.8	1.3	.3								2.7	6.4
SE	.1	.4	1.3	1.3	.3							3.5	10.5
SSE	.1	.4	1.5	3.4	1.3	.7						8.0	14.2
S	.3	2.7	6.6	6.2	1.0	.1						17.0	10.4
SSW	.1	1.3	1.8	.4								3.7	7.4
SW		1.2	.6									1.8	6.3
WSW	.4	1.9	1.3		.1							3.8	6.3
W	.3	2.2	1.3	1.0	.1							5.0	8.1
WNW	.1	1.0	1.2	1.9	.3							4.5	10.4
NW		1.5	2.2	2.5	.3	.3						6.8	10.3
NNW	.1	1.8	1.6	2.4	1.8	.6						8.3	12.3
VARBL													
CALM												7.4	
	3.4	22.4	28.5	26.4	9.6	2.4						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 672

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

14	HECTOR APT FARGO ND	74-81	FEB
STATION	STATION NAME	YEARS	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	.4	2.4	4.3	5.8	3.4	1.4	.2					18.4	12.2
NNE	.2	.3	1.6	1.0	.2	.0						3.7	9.6
NE	.2	.7	.8	.3								2.3	7.2
ENE	.1	.9	.5	.3								1.6	8.9
E	.2	.9	.6	.2								2.0	8.5
ESE	.2	.7	1.0	.3								2.2	7.1
SE	.1	1.1	1.3	1.4	.3	.1						4.3	10.2
SSE	.1	.8	1.9	3.0	1.8	.8						8.4	13.6
S	.4	2.6	5.4	4.8	1.2	.2						14.5	10.3
SSW	.2	1.3	1.7	.6	.0	.0						3.9	7.9
SW	.2	1.3	1.1	.4								2.9	7.1
WSW	.2	1.3	1.1	.5	.0							3.1	7.1
W	.4	1.5	1.4	1.0	.3	.0						4.6	8.7
WNW	.4	1.1	1.6	1.3	.3	.3						5.0	10.1
NW	.4	1.4	2.4	2.0	.6	.7	.1					7.6	11.4
NNW	.2	1.9	2.7	2.7	1.6	.9	.1					10.1	12.3
VARBL													
CALM												5.5	
	3.9	20.7	29.6	25.7	9.9	4.4	.4					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 5423

...AL CLIMATOLOGY BRANCH
...TAC
... FAT... SC VICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
... 1...	HECTOR APT FARGO ND	74-81	MAR

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.3	3.9	5.2	1.5	.9						13.2	12.1
NNE	.3	1.5	1.9	.8	.9	.4						5.8	10.1
NE		1.6	.9	.4	.4	.1						3.5	9.2
ENE		.3	.5	.7								2.2	7.9
E	.3	1.3	1.3	.4								3.4	6.8
ESE		1.3	.4	.1	.3							2.2	7.4
SE		1.3	1.9	2.7	1.1	.3						7.3	11.7
SSE	.3	.9	2.4	2.0	1.3	.7						7.7	12.4
S	.7	3.9	6.3	3.9	1.2	.1						16.1	9.4
SSW	.7	1.1	1.7	.1								3.2	7.2
SW	.5	1.6	.8									3.0	5.4
WSW	.1	.9	.9	.7								2.7	8.1
W		2.3	.8	.1								3.2	6.9
WNW		2.3	1.9	1.2	.3							5.6	8.4
NW	.1	1.7	1.9	1.3	.9	.3						6.3	10.5
NNW	.1	1.6	3.1	2.3	.8	.4						8.3	10.2
VARBL													
CALM												6.3	
	2.4	25.5	30.8	22.0	8.7	3.2						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION — HECTOR APT FARGO ND — STATION NAME — 74-81 — YEARS — MAY — MONTH

ALL WEATHER — CLASS — 0300-0900 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.4	4.0	2.8	1.2	.9	.1					12.4	11.2
NNE		1.7	1.3	1.9	1.2	.3	.1					6.2	12.5
NE	.7	.5	.9	.8	.4							3.4	6.3
ENE	.3	.3	.4	.5								1.7	7.2
E	.1	1.3	1.2	.1								2.8	6.9
ESE		1.9	1.6	.1								3.5	6.9
SE	.1	.8	2.3	2.4	.9	.1						6.6	11.5
SSE		.4	2.3	2.2	1.1	.9						6.9	13.7
S	.3	4.0	6.9	4.4	.7	.3						16.5	9.4
SSW	.3	2.2	.7	.7								3.8	6.8
SW		1.8	.1	.4								2.4	6.5
WSW	.3	.8	.9	.8								3.0	8.2
W	.7	1.4	1.9	.8								5.2	7.1
WNW	.1	1.2	.9	1.5	.3							4.2	10.2
NW		1.3	1.3	2.0	.5							5.2	10.6
NNW	.1	.8	2.3	3.8	.9	.3	.1					8.3	12.3
VARBL													
CALM												8.2	
	3.8	23.3	29.2	25.3	7.1	2.8	.4					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 744

...L CLIMATOLOGY BRANCH
...AC
...THER SERVICE/MAC

SURFACE WINDS

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

1 1 — ...CTOR APT FARGO ND — 74-81 — MAR

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 0600-0800

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	.4	2.[illegible]	4.7	2.7	1.2	1.6	.1					12.[illegible]	12.1
NNE		1.[illegible]	1.3	.7	.7	.4						[illegible].[illegible]	10.7
NE	.1	1.2	.7	1.3	.3	.1						3.[illegible]	10.1
ENE	.1	2.2	.4	.4		.1						3.2	7.0
E	.4	1.3	1.5	.3	.1							3.6	7.6
ESE	.3	1.6	1.2	.7	.3							4.[illegible]	8.[illegible]
SE	.7	1.7	1.9	2.6	.5	.4						7.4	10.6
SSE	.1	.[illegible]	1.5	3.1	.7	.5						[illegible].7	12.4
S	.3	3.[illegible]	6.7	4.3	.5	.4						15.2	10.2
SSW		2.2	.9	.7	.1							[illegible].9	7.8
SW	.1	1.2	.3	.1								1.7	6.2
WSW	.1	.7	.9	.5								2.3	8.1
W	.4	1.2	1.9	.9	.4							4.8	8.9
WNW	.3	.4	1.2	2.3	.4							4.[illegible]	10.7
NW	.1	1.3	1.7	1.5	.1	.3						[illegible].1	10.1
NNW	.4	1.3	2.[illegible]	3.6	1.1	.7	.1					[illegible].3	12.1
VARBL													
CALM												[illegible].3	
	3.8	24.1	2[illegible].9	25.7	6.5	4.6	.3					1[illegible].[illegible]	9.6

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
0900-1100 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.7	4.1	5.5	2.7	1.7	.1					16.4	13.3
NNE	.3	.3	2.2	.9	.5	.5						5.4	10.9
NE		.5	1.7	1.2	.3							3.8	10.6
ENE	.1	.4	2.2	.4	.4							3.5	9.5
E	.1	.3	.7	1.2	.3							2.6	10.6
ESE	.3	.5	1.3	1.1	.1							3.4	9.2
SE		.5	2.0	1.7	.7	.5						5.5	12.4
SSE		.4	1.6	2.6	2.0	.3						6.9	14.3
S	.1	2.2	3.8	5.4	1.3	.4	.1					13.3	11.7
SSW		.7	2.0	1.2								3.9	9.1
SW		1.2	.8	1.2								3.2	9.0
WSW	.3	.5	.9	.5								2.3	8.4
W	.4	1.6	1.9	1.3	.4							5.6	8.9
WNW		.5	.7	2.7	.7	.4						5.0	13.5
NW	.4	.4	.7	2.2	1.1	.5	.1					5.4	14.1
NNW	.4	1.5	2.2	3.0	2.0	.9	.3	.4				10.6	14.0
VARBL													
CALM												3.4	
	3.0	14.1	28.6	32.1	12.5	5.4	.7	.4				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 744

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

SURFACE WINDS

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

1 14 — STATION — HECTOR AFT FARGO ND — STATION NAME — 74-81 — YEARS — MAR — MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.6	3.2	5.0	2.8	2.4	.5					17.9	14.1
NNE	.1	.7	2.0	1.1	.4	.1						4.3	13.4
NE	.3	.7	1.6	.8	.5							3.9	10.3
ENE		.1	.5	.4	.3	.3						1.6	13.8
E	.3	.5	1.1	1.1	.5							3.5	10.3
ESE	.4	.1	1.1	1.2	.3							3.1	10.2
SE			2.0	1.3	.8	.3						4.4	12.6
SSE		.7	1.1	2.3	2.4	.5						7.5	14.9
S	.3	.3	3.2	7.3	2.0	.1						13.2	12.2
SSW	.7	.5	1.7	.4	.4							3.4	9.5
SW		.9	1.2	1.3								3.5	9.2
WSW		.4	1.7	.5								2.7	8.6
W	.4	1.2	1.7	.9	.1	.1						4.6	8.7
WNW	.1	.3	.9	3.0	.9	.4						5.6	14.1
NW	.4	.4	1.1	2.8	1.3	1.1	.1					7.3	14.2
NNW	.1	1.5	3.0	2.8	3.0	1.2	.5	.1				12.2	14.5
VARBL													
CALM												1.9	
	3.1	10.8	27.3	33.2	15.9	6.6	1.2	.1				100.2	12.4

TOTAL NUMBER OF OBSERVATIONS 744

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

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

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
1500-1700 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.1	4.6	6.3	3.8	2.6	.8	.1				20.6	14.4
NNE	.3	.7	1.9	1.2	.4	.5						5.0	11.2
NE		.5	.9	1.6	.5							3.6	11.5
ENE	.1	.7	.7	.7	.3							2.4	9.3
E	.1	.5	.7	1.3	.1							2.8	10.3
ESE		.7	1.5	.7	.3	.1						3.2	10.5
SE		.4	1.2	1.5	1.1							4.3	12.6
SSE		.5	1.5	3.9	2.0	1.7						9.7	15.1
S	.7	1.2	3.5	5.4	1.1	.3						11.7	11.3
SSW		.7	1.3	.9	.1							3.7	10.5
SW	.3	.3	1.2	.5								2.3	8.5
WSW		.3	1.2	.1	.1							1.7	8.5
W	.7	1.2	1.6	1.2	.3							4.6	9.4
WNW	.3	.7	.9	1.7	.5	.5						4.7	12.7
NW		.5	1.3	2.4	2.6	.8						7.7	15.3
NNW	.1	1.5	2.4	4.0	2.3	.7	.3					11.3	13.5
VARBL													
CALM												1.9	
	2.2	12.0	26.5	33.6	15.5	7.3	1.1	.1				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 744

...AL CLIMATOLOGY BRANCH
...EAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1...14	...CTOR APT FARGO ND	74-81	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1500-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.[illegible]	2.[illegible]	5.[illegible]	4.6	3.4	1.1	.5					17.5	12.[illegible]
NNE	.4	.[illegible]	2.7	2.0	.5	.8						7.[illegible]	11.4
NE	.7	1.2	1.5	.7	.3							4.3	[illegible].[illegible]
ENE		.9	.5	.4	.1							[illegible].[illegible]	9.[illegible]
E	.3	1.5	1.2	.8	.1							3.9	[illegible].[illegible]
ESE		1.1	1.3	.3	.1							[illegible].[illegible]	7.7
SE	.1	2.[illegible]	1.7	1.9	.8							6.6	10.[illegible]
SSE	.1	.4	2.7	3.4	1.3	1.2						9.1	13.5
S	.[illegible]	2.6	4.3	4.4	.8	.3						12.9	10.[illegible]
SSW		.[illegible]	.9	.3	.3							[illegible].[illegible]	9.[illegible]
SW	.4	1.3	.7	.1	.1							2.7	6.[illegible]
WSW	.3	.[illegible]	.7									1.9	5.6
W	.[illegible]	.5	.8	.4		.1						2.4	7.[illegible]
WNW		1.6	1.6	1.1								4.3	6.5
NW		1.2	1.9	2.7	1.3	.5						7.7	12.[illegible]
NNW		1.2	1.9	3.4	.8	.7						7.[illegible]	12.3
VARBL													
CALM												4.4	
	[illegible].9	20.6	29.4	26.3	10.1	4.7	.5					1[illegible].0	10.3

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOLOGY BRANCH
USAF
WEATHER SERVICE/MAC

SURFACE WINDS

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

14914 | HECTOR AFT FARGO ND | 74-81 | MAR
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

1200-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	4.2	4.[illegible]	4.4	2.2	1.2						[illegible].6	11.1
NNE		1.[illegible]	1.7	1.7	.9	.[illegible]						[illegible].7	11.[illegible]
NE	.[illegible]	1.[illegible]	1.1	.3	.5	.1						4.2	8.4
ENE		1.[illegible]	.7	.3								[illegible].[illegible]	6.3
E	.7	1.1	.4	.9	.1							3.2	[illegible].[illegible]
ESE	.[illegible]	1.[illegible]	1.5	.4								4.[illegible]	6.6
SE	.[illegible]	.[illegible]	1.3	2.0	.4	.1						[illegible].4	10.4
SSE	.4	1.1	2.8	3.0	1.3	1.2						[illegible].[illegible]	12.[illegible]
S	.7	2.4	4.[illegible]	4.4	.7	.1						13.2	9.9
SSW		.[illegible]	1.1	.7	.1							[illegible].7	9.[illegible]
SW		1.2	.5									1.7	6.2
WSW	.1	1.2	1.1	.5								3.[illegible]	7.9
W		2.[illegible]	1.[illegible]	.3	.1							[illegible].3	7.4
WNW	.1	1.1	.8	.3	.1		.1					2.6	8.6
NW	.[illegible]	1.7	1.1	2.8	.7	.5						7.1	11.6
NNW	.3	1.[illegible]	2.7	1.5	.7	.8	.1					7.[illegible]	11.2
VARBL													
CALM												4.6	
	[illegible].[illegible]	26.[illegible]	27.6	23.6	7.9	4.8	.3					[illegible]0.[illegible]	[illegible].7

TOTAL NUMBER OF OBSERVATIONS 743

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

AL CLIMATOLOGY BRANCH
TAC
[illegible] SERVICE/MAC

SURFACE WINDS

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

14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-91 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
ALL — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.3	4.2	4.7	2.3	1.6	.3	.0				15.9	12.8
NNE	.2	1.2	1.9	1.3	.7	.5	.0					5.7	11.2
NE	.2	1.0	1.2	.9	.4	.1						3.8	9.6
ENE	.1	1.0	.7	.5	.1	.1						2.4	9.6
E	.3	1.0	1.0	.8	.2							3.2	8.5
ESE	.2	1.1	1.2	.6	.2	.0						3.3	8.2
SE	.1	1.0	1.8	2.0	.8	.2						5.9	11.4
SSE	.1	.7	2.0	2.8	1.5	.9						8.0	13.6
S	.4	2.4	4.9	4.9	1.8	.3	.0					14.8	10.5
SSW	.1	1.1	1.3	.6	.1							3.2	8.5
SW	.2	1.2	.7	.5	.0							2.6	7.4
WSW	.2	.7	1.1	.5	.0							2.4	8.0
W	.3	1.4	1.6	.8	.2	.0						4.3	8.2
WNW	.2	1.0	1.1	1.7	.4	.2	.0					4.6	11.2
NW	.2	1.1	1.4	2.2	1.1	.5	.0					6.5	12.5
NNW	.2	1.4	2.4	3.0	1.4	.7	.2	.1				9.5	12.8
VARBL													
CALM												4.6	
	3.5	19.5	28.5	27.7	10.5	4.9	.6	.1				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 5951

AL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
[illegible]CTOR AFT FARGO ND — STATION NAME
74-81 — YEARS
AP[illegible] — MONTH

ALL WEATHER — CLASS

[illegible] — 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	.[illegible]	2.1	4.3	4.[illegible]	2.1	.4						13.3	11.5
NNE	.1	1.[illegible]	2.2	1.8	.3							[illegible]	9.3
NE	.4	1.4	1.[illegible]	1.7	.1							4.6	8.9
ENE		1.4	2.4									3.7	6.[illegible]
E	.3	2.[illegible]	2.6	.7	.1							[illegible].5	7.[illegible]
ESE	.1	2.1	1.[illegible]	2.6	.3							6.[illegible]	[illegible].5
SE		1.[illegible]	1.[illegible]	3.3	1.3	.1						7.6	11.[illegible]
SSE	.1	.4	1.8	4.6	1.9	1.[illegible]						[illegible].9	14.2
S	.[illegible]	3.2	3.1	2.1								[illegible].5	6.2
SSW	.3	1.	1.1	.1								2.5	6.5
SW	.1	1.2	1.[illegible]	.3								[illegible].6	7.1
WSW	.[illegible]	1.[illegible]	.4	.1								1.[illegible]	5.[illegible]
W	.[illegible]	1.4	1.2	1.0								[illegible].9	8.1
WNW	.4	1.1	2.1	1.2	.1							[illegible].[illegible]	8.3
NW	.[illegible]	1.1	1.5	.1	.[illegible]	.3						4.2	10.[illegible]
NNW		1.[illegible]	2.4	1.1	1.1							6.4	10.[illegible]
VARBL													
CALM												[illegible].5	
	[illegible].[illegible]	24.[illegible]	30.6	24.9	7.9	1.8						[illegible].[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]72[illegible]

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

AL CLIMATOLOGY BRANCH
TAC
...ER SERVICE/MAC

SURFACE WINDS

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

1 [illegible] HECTOR APT FARGO N D — 74-61 — APR

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 0300-0900

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	.7	3.1	4.4	4.0	1.7	.9						14.3	10.9
NNE	.3	1.2	1.7	1.8	.4							5.1	10.1
NE	.3	1.7	.8	1.1								3.9	7.8
ENE	.1	2.1	1.0	.4								3.6	7.1
E	.4	2.1	2.1	1.5	.4							6.5	8.5
ESE	.8	1.5	1.4	1.9	.6	.1						6.3	9.9
SE	.3	1.3	2.4	2.9	.7	.1						7.4	11.2
SSE		.4	2.0	4.3	1.0	1.2						9.7	13.6
S	.4	3.2	3.2	3.3		.1						10.3	8.7
SSW	.3	1.0	1.1	.1								3.5	6.1
SW	.3	.7	.2	.1								1.4	6.0
WSW	.1	.8	.4	.3								1.7	7.3
W	.1	1.0	1.2	.7								3.2	7.9
WNW		1.1	2.2	.7	.1							4.2	8.5
NW	.3	1.2	1.5	.7	.8							4.3	10.8
NNW	.3	1.8	2.5	1.0	1.5							7.1	10.2
VARBL													
CALM												6.9	
	3.9	25.1	29.3	25.0	7.2	2.5						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 721

...AL CLIMATOLOGY BRANCH
...TAC
... SERVICE/MAC

SURFACE WINDS

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

1 1- | HECTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 0600-0600
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	2.2	3.9	3.9	1.9	1.1	.1					13.3	12.4
NNE	.3	.6	3.1	2.6	.4							6.9	10.5
NE	.3	1.3	.6	1.7	.1							3.6	9.5
ENE	.7	.8	1.0	1.4	.3							4.2	8.9
E	.3	1.0	1.4	1.2								3.9	8.9
ESE	.4	1.7	1.4	2.1	.7							6.4	9.9
SE	.5	1.7	2.5	3.1	1.1	.1						9.0	10.7
SSE		1.0	1.8	4.6	1.2	1.4	.1					10.1	14.5
S	.1	3.2	3.7	3.5	.3	.1	.1					11.1	9.7
SSW	.1	.6	1.0	.3	.1	.1						3.2	9.4
SW	.3	.4	.6									1.2	5.9
WSW	.3	.4	.1	.1		.1						1.1	6.0
W	.3	1.2	2.1	1.1	.1	.1						5.3	9.0
WNW	.3	1.1	1.4	.6		.1						3.5	8.1
NW		1.0	2.2	1.5	.4	.3	.1	.1				5.7	11.8
NNW		1.5	1.1	2.6	1.1	.3						6.7	12.1
VARBL													
CALM												6.3	
	4.2	19.3	27.8	30.3	7.9	3.9	.6	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 720

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

[illegible] AL CLIMATOLOGY BRANCH
[illegible] ETAC
[illegible] EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
[illegible]CTOR APT FARGO ND — STATION NAME
74-81 — YEARS
APR — MONTH

ALL WEATHER — CLASS

0900-1100 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.4	1.9	6.0	3.6	1.7	.6					14.3	15.9
NNE		.[illegible]	2.9	3.6	1.4							[illegible].[illegible]	12.0
NE	.6	.6	1.1	1.8	.8							4.9	10.7
ENE		.[illegible]	1.2	1.0	.1							3.1	[illegible].5
E	.1	.4	1.0	1.5	.1							3.2	10.9
ESE	.[illegible]	.6	.8	1.7	1.0	.1						4.4	12.2
SE	.0	.[illegible]	2.8	3.6	1.[illegible]	.1	.1					8.7	11.9
SSE	.1	.4	2.[illegible]	3.1	1.5	1.8	.1					10.0	14.3
S	.4	1.2	3.7	5.3	1.9	.[illegible]	.1					13.2	12.[illegible]
SSW		.[illegible]	.3	.4	.4	.6	.1					2.6	14.1
SW		.7	1.1	.4	.4							2.6	10.1
WSW	.1	.7	.4	.7								1.9	8.8
W	.1	.6	1.1	1.4	.3							3.5	10.3
WNW	.[illegible]	1.0	.7	.8	.4		.3					3.3	11.3
NW	.[illegible]	1.[illegible]	1.8	1.2	.6	.6		.1				5.6	12.4
NNW	.1	1.2	2.5	2.6	1.7	.6	.1					0.9	12.[illegible]
VARBL													
CALM												1.1	
	3.2	11.4	26.4	35.1	15.3	5.8	1.5	.1				100.3	12.5

TOTAL NUMBER OF OBSERVATIONS 720

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

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 [illegible] HECTOR APT FARGO ND | 74-81 | APR

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 1200-1400

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		1.1	3.1	5.3	4.6	2.5	.4					17.1	15.7
NNE		.7	2.4	4.4	.8	.3						8.6	12.2
NE	.1		1.8	1.9	.7							4.6	12.3
ENE	.1	.3	1.0	1.4	.1							2.9	10.1
E	.6	.7	1.1	1.0	.7	.1						4.2	10.7
ESE		.6	1.0	1.2	1.1	.1						4.0	12.5
SE	.1	.7	1.4	3.3	1.9	.1						7.6	13.5
SSE	.1	.7	.3	4.2	2.8	1.8						9.9	16.1
S	.1	1.4	2.2	3.3	1.7	.7						9.4	12.9
SSW		.4	.8	.3	.3	.7	.1					2.6	14.6
SW	.1	.4	.8	1.1	.6	.1						3.2	11.9
WSW		.3	.6	1.5	.6		.1					3.1	13.4
W		.5	1.4	1.0	.3	.4						3.6	11.9
WNW		.6	1.7	1.5	1.2		.1					5.1	12.6
NW		1.1	.7	1.4	.7	.7	.1	.1				4.9	14.1
NNW	.1	.7	2.2	3.1	.8	.8	.6	.1				8.5	14.2
VARBL													
CALM												.7	
	1.5	10.1	22.4	36.0	18.9	8.6	1.5	.3				100.0	13.5

TOTAL NUMBER OF OBSERVATIONS 720

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible] FATHER SERVICE/MAC

SURFACE WINDS

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

I -14 — HECTOR APT FARGO ND — 74-81 — APR

STATION — STATION NAME — YEARS — 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	.3	1.4	3.1	4.7	4.3	2.5	.1					16.4	14.7
NNE	.1	.9	1.5	5.6	.8	.3						9.2	12.7
NE	.1	1.3	2.5	2.9	.7	.1						7.4	11.8
ENE		.3	1.1	1.5								2.9	11.0
E	.3	1.3	1.4	1.0	.4	.1						4.2	9.6
ESE		.4	.7	1.2	1.2							3.6	12.8
SE	.1	.7	2.5	3.7	1.0	.1						8.2	12.1
SSE		.8	1.2	3.2	2.4	1.4						9.0	15.4
S	.1	.7	2.6	3.3	1.2	.7						8.7	12.7
SSW	.3	.6	1.0	1.1	.4	.1						3.5	11.2
SW	.1	.7	.4	.8	.6	.1						2.6	12.3
WSW	.1	.6	.6	.6								1.8	8.5
W		.3	.9	2.2	.6	.1						4.0	12.7
WNW		.1	1.5	1.1	1.0	.3	.1					4.2	13.6
NW	.1	.6	1.9	1.1	.7	.1	.1					4.7	11.7
NNW		.3	1.0	2.8	2.1	1.2	.1	.1				7.6	16.4
VARBL													
CALM												1.5	
	1.8	10.1	23.9	36.9	17.4	7.4	.6	.1				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 723

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1[illegible]1-	HECTOR APT FARGO ND	74-81	APR

ALL WEATHER
CLASS

1800-2100
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	.7	2.1	3.5	5.4	3.1	.8						15.6	12.4
NNE	.1	2.1	2.2	3.1	.3							7.8	9.5
NE	.3	2.6	2.5	2.8	.7	.1						8.2	9.7
ENE	.3	.7	1.7	1.1	.1							3.9	8.7
E	.1	1.4	1.1	.7	.1	.1						3.6	9.3
ESE		1.7	1.4	1.7	.6	.1						5.4	10.4
SE	.3	1.7	3.3	4.3	1.1	.3						11.0	11.1
SSE		.7	1.9	3.3	1.1	.3						7.3	12.4
S	.7	2.1	3.2	2.6	.7	.1						9.5	9.9
SSW	.1	.1	.4	1.2								1.9	11.3
SW	.7	.4	.1	.7	.1							1.7	9.4
WSW		.6	.3	.3								1.1	8.4
W	.1	1.2	.8	1.8								4.0	9.6
WNW		.6	1.2	1.2	.3							3.3	10.3
NW		.8	1.7	.7	.4							3.6	9.9
NNW	.4	1.1	.7	3.1	2.1	.3						7.6	13.3
VARBL													
CALM												2.8	
	2.6	21.8	26.1	34.0	10.7	2.2						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 72[illegible]

...AL CLIMATOLOGY BRANCH
...TAC
... EAT-ER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1 ...	...ELTOR APT FARGO ND	74-81	APR

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.1	3.2	5.1	2.6	.3						13.6	12.1
NNE	.7	1.7	2.6	2.8	.1							7.9	9.2
NE	.3	1.2	1.9	1.8								5.3	8.9
ENE	.7	2.1	1.9	1.5								5.8	8.5
E	.4	1.7	2.9	.6	.3	.1						6.0	8.3
ESE		2.2	1.2	1.2	.6							5.3	9.1
SE		3.3	2.6	3.3	.8	.3						10.4	10.3
SSE	.1	1.8	2.6	4.9	1.2	.6						11.2	11.9
S	.3	1.3	2.2	2.6	.7	.1	.1					7.9	10.5
SSW	.3	.4	1.0	.6								2.2	6.1
SW	.1	.7	.4	.1								1.4	6.6
WSW		1.4	.3									1.7	5.6
W	.1	1.2	1.4	1.4	.4							5.3	9.1
WNW	.3	.8	1.1	.4								2.6	7.5
NW	.4	.4	1.2	.6	.4							3.1	9.2
NNW	.3	1.4	1.8	1.2	1.0	.1						5.8	10.6
VARBL													
CALM												4.4	
	3.9	25.0	28.6	28.2	8.2	1.5	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 720

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14	HECTOR APT FARGO ND	74-81	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

ALL — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	3.4	4.8	3.0	1.3	.2					14.3	13.3
NNE	.3	1.2	2.3	3.2	.6	.1						7.6	10.8
NE	.3	1.2	1.5	2.0	.4	.0						5.4	10.0
ENE	.2	1.3	1.4	1.0	.1							3.8	8.7
E	.3	1.4	1.7	1.0	.3	.1						4.8	8.9
ESE	.3	1.3	1.2	1.7	.7	.1						5.2	10.5
SE	.3	1.4	2.4	3.5	1.1	.2	.0					8.7	11.5
SSE	.1	.3	1.9	4.0	1.6	1.2	.0					9.7	14.1
S	.3	2.1	3.0	3.3	.8	.3	.1					9.8	10.7
SSW	.2	.7	.8	.5	.2	.2	.0					2.6	10.1
SW	.2	.7	.6	.5	.2	.0						2.1	9.3
WSW	.1	.7	.4	.5	.1	.0	.0					1.8	9.7
W	.1	1.1	1.3	1.3	.2	.1						4.2	9.7
WNW	.2	.3	1.5	1.0	.4	.1	.1					3.9	10.2
NW	.2	.9	1.6	.9	.6	.2	.1	.1				4.5	11.5
NNW	.2	1.2	1.8	2.2	1.4	.4	.1	.0				7.3	12.6
VARBL													
CALM												3.8	
	3.1	18.4	26.9	31.3	11.7	4.2	.5	.1				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 5763

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

...1 1	HECTOR APT FARGO ND	74-81	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	3.9	2.2	3.1	1.7	.5						12.2	10.5
NNE	.1	1.2	1.1	.5	.1							3.1	8.7
NE	.1	.8	1.2	.4								2.6	8.0
ENE	.4	1.2	1.2	.3								3.1	6.5
E	.1	2.3	3.4	1.6								7.4	8.2
ESE	.7	2.3	2.0	.3								5.2	6.3
SE	.3	2.4	3.5	1.9	.4							8.5	8.8
SSE	.5	1.5	3.1	5.9	2.2	.4						13.7	12.3
S	.3	3.4	5.5	5.4	.4	.3						15.2	9.3
SSW	.1	1.3	.7	.1								2.3	6.9
SW	.4	1.2	.4	.3								2.5	5.9
WSW	.1	1.3	1.2									2.7	6.3
W	.3	2.2	.8	.3								3.5	6.4
WNW	.7	1.1	1.1	.9								3.4	8.6
NW		.7	1.3		.1							2.2	8.1
NNW	.1	1.6	1.9	1.6	.8	.1						6.2	10.3
VARBL													
CALM												6.3	
	4.8	28.6	30.5	22.6	5.8	1.3						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1 14	HECTOR APT FARGO ND	74-81	MAY

CLASS: ALL WEATHER

CONDITION:

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	3.5	3.1	3.1	1.6	.5	.1					12.2	10.6
NNE	.2	1.1	2.0	.4	.1							3.9	8.1
NE	.5	.7	.4	.3								1.9	5.9
ENE	.4	1.9	2.2	.3								4.7	6.8
E	.4	1.7	1.2	.8								4.2	7.1
ESE	.8	1.7	.8	.9								4.3	6.9
SE	.1	2.4	3.5	2.2	.3	.1						8.6	9.0
SSE	.3	2.3	3.0	6.9	1.7	.4						14.2	12.1
S		4.4	5.8	4.3	.1							14.7	8.6
SSW	.1	2.0	.4	.8								3.4	7.4
SW	.3	.8	.1	.1								1.3	5.4
WSW	.1	.3	.9	.1								1.5	7.5
W	.5	1.7	1.5	1.3								5.1	7.9
WNW	.1	1.2	.8	.5								2.7	7.5
NW	.4	1.6	1.6	.8		.1						4.6	7.9
NNW	.4	.3	1.5	1.9	.9							5.5	10.7
VARBL													
CALM												7.3	
	5.1	28.0	28.8	24.7	4.8	1.2	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 744

...AL CLIMATOLOGY BRANCH
...TAC
... EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 (STATION) | FCTOR APT FARGO ND (STATION NAME) | 74-81 (YEARS) | MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.2	3.4	5.2	2.3	.7						13.8	12.2
NNE	.3	.5	2.4	1.3	.4	.1						5.1	9.9
NE	.3	1.3	2.2	.4								4.2	7.2
ENE	.3	1.9	.8	.4								3.8	6.5
E	.5	1.3	.9	.8								3.6	7.6
ESE	.3	.3	.9	1.1								3.2	8.4
SE	.1	1.3	4.2	2.2	.3							8.5	9.1
SSE	.4	1.2	3.4	7.8	1.2	.5						14.5	12.5
S	.3	3.1	3.4	4.8	.4	.1						14.1	9.9
SSW	.3	.4	1.5	1.2								3.8	8.4
SW	.1	.3	.4	.9	.1							2.4	9.3
WSW		.3	.3	.5	.3							1.6	10.3
W	.3	.3	1.6	.7								3.4	7.9
WNW	.3	.4	.8	1.9	.4							3.8	11.1
NW		.1	.9	.9	.5							3.0	10.6
NNW	.1	1.2	1.7	2.3	.9							6.3	11.3
VARBL													
CALM												5.8	
	4.4	19.0	30.9	32.5	6.9	1.5						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 744

L CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

14 (STATION) HECTOR ARPT FARGO ND (STATION NAME) 74-81 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.7	2.8	6.3	3.9	.8						15.7	13.3
NNE		.2	1.5	3.4	.4							5.5	11.2
NE	.1	.4	1.9	.9	.3							3.6	10.1
ENE		.3	.4	.5								1.2	8.2
E	.1	.7	1.5	.9	.3							3.5	9.3
ESE		1.3	1.6	1.1	.5							4.6	9.4
SE		1.3	2.3	3.1	.3							7.0	10.5
SSE	.3	.3	2.0	5.5	2.8	.6	.1					12.4	14.3
S	.3	1.2	3.0	6.0	3.8	.4						13.2	13.8
SSW	.1	.5	1.7	1.6	.9							5.0	11.7
SW		1.2	.5	1.1	.3							3.1	10.3
WSW	.3	.3	.4	.7	.4							2.6	9.3
W	.2	.7	1.3	.7	.7							3.6	10.3
WNW		.3	1.1	2.0	.4	.1						4.4	11.6
NW	.1	.4	.5	2.0	1.1	.1						4.3	13.6
NNW	.1	.8	1.1	2.7	1.2							5.9	12.2
VARBL													
CALM												1.6	
	2.6	14.0	23.7	38.6	17.2	2.3	.1					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

1 1.	CTOR APT FARGO ND	74-81	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.3	2.7	4.7	3.5	1.1						13.3	13.9
NNE		.7	1.2	3.9	.8							6.6	12.2
NE		.4	1.1	1.5	.1	.1						3.6	1[illegible].6
ENE		.4	1.6	.5								2.6	9.[illegible]
E	.1	1.2	2.2	1.2	.1	.1						5.[illegible]	[illegible].3
ESE	.3	1.1	2.2	1.1	.3							4.[illegible]	[illegible].3
SE	.1	.5	1.6	3.2	1.2							6.7	12.3
SSE		1.5	1.3	3.9	1.7	.7						[illegible].[illegible]	13.2
S		1.5	2.8	5.7	4.7	2.0	.5					17.2	15.2
SSW	.1	.4	1.2	1.3	.7	.1						3.9	12.1
SW		.7	1.1	1.7	.4							3.[illegible]	11.1
WSW	.1	.4	.7	.5	.7	.1						2.6	12.[illegible]
W	.1	.3	.5	1.6	.5	.3						3.4	13.[illegible]
WNW		.7	.7	1.3	.3	.1						3.1	11.[illegible]
NW		.4	.7	2.2	1.1	.3						4.6	14.3
NNW	.1	.7	2.3	2.6	1.7	.7						8.1	13.4
VARBL													
CALM												1.2	
	1.2	12.7	23.8	37.0	17.9	5.7	.5					100.3	12.5

TOTAL NUMBER OF OBSERVATIONS 74[illegible]

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

SURFACE WINDS

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

1 [illegible] — [illegible]CTOR APT FARGO ND — 74-81 — MAY

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — [illegible]-17[illegible]

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	.[illegible]	3.1	6.2	3.2	1.1						14.7	13.[illegible]
NNE		.[illegible]	.[illegible]	3.5	.7							[illegible].7	12.[illegible]
NE	.1	.7	1.5	1.5								3.5	[illegible].5
ENE	.1	.[illegible]	2.2	.7	.1							3.[illegible]	9.[illegible]
E	.1	.[illegible]	2.3	.8								3.3	[illegible].[illegible]
ESE		1.[illegible]	1.6	2.4	.3							[illegible].5	10.1
SE	.1	1.1	2.6	2.6	1.1	.1						7.[illegible]	11.[illegible]
SSE		.7	1.1	[illegible].6	2.3	.4						[illegible].1	14.4
S	.[illegible]	1.3	2.[illegible]	5.4	4.6	2.[illegible]	.1					16.2	14.[illegible]
SSW		.7	1.1	2.0	.9							4.7	12.2
SW		.7	.8	.9	.9							[illegible].4	12.[illegible]
WSW	.1	.1		1.[illegible]	.4	.3						2.3	14.1
W	.1	.4	1.6	1.5	.8							4.4	11.6
WNW		.[illegible]	.5	1.7		.1						2.7	12.2
NW	.1	.[illegible]	1.2	2.6	.7	.1						[illegible].7	11.[illegible]
NNW		.7	1.1	2.3	1.7	.3						6.1	13.[illegible]
VARBL													
CALM												1.7	
	1.[illegible]	11.6	23.6	39.0	18.0	4.4	.1					1[illegible].[illegible]	12.4

TOTAL NUMBER OF OBSERVATIONS 74[illegible]

AL CLIMATOLOGY BRANCH
FAC
FATSA SE-VICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH
ALL WEATHER — CLASS
1800-2100 — 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		1.[illegible]	3.8	5.9	2.6	.[illegible]						14.[illegible]	12.6
NNE	.[illegible]	1.?	3.1	2.3	.1							7.2	9.3
NE	.[illegible]	2.2	2.3	1.3								[illegible].1	6.[illegible]
ENE	.1	1.?	1.1	.3								2.7	7.[illegible]
E	.[illegible]	2.3	2.[illegible]	.4								5.3	6.9
ESE	.1	2.4	2.[illegible]	1.6	.1							5.3	8.4
SE	.[illegible]	1.6	3.4	3.5	.7							[illegible].4	10.4
SSE		1.1	3.4	5.1	.8	.[illegible]						10.[illegible]	12.1
S	.1	2.[illegible]	2.7	5.3	1.[illegible]	.3						1[illegible].3	12.1
SSW	.1	.4	.[illegible]	1.3	.3							3.1	11.[illegible]
SW	.1	.[illegible]	1.2	.5	.4							2.[illegible]	9.[illegible]
WSW	.1	.3	.7	.3								1.3	[illegible].[illegible]
W		.[illegible]	.8	.9	.5	.1						[illegible].[illegible]	11.9
WNW	.1	.7	1.5	.5								2.8	8.[illegible]
NW	.1	.[illegible]	1.2	1.2	.3							[illegible].4	10.4
NNW	.[illegible]	.5	1.8	2.2	1.1	.1						[illegible].9	11.9
VARBL													
CALM												2.8	
	2.[illegible]	19.3	31.[illegible]	32.8	8.8	1.6						1[illegible].[illegible]	1[illegible].2

TOTAL NUMBER OF OBSERVATIONS 741

AL CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
ECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH
ALL WEATHER — CLASS
2100-2300 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.8	5.3	3.9	1.6	.5						14.1	10.9
NNE		2.4	1.6	.1								4.2	6.2
NE	.1	1.2	1.6	.5								3.5	7.6
ENE	.5	2.3	1.5	.3								4.5	6.4
E	.7	2.7	2.2	.7								5.9	7.5
ESE	.9	3.5	2.7	1.1	.3							8.5	7.3
SE	.5	3.2	3.8	2.4	.5	.1						10.7	9.3
SSE	.3	1.9	2.6	5.0	.9	.4						10.6	11.6
S	.3	3.3	4.1	4.6	.3	.1						12.3	9.8
SSW	.7	1.1	.5	.5								2.4	7.3
SW	.1	.5	.5									1.5	6.5
WSW	.3	1.4	.9	.1								2.7	6.4
W	.1	1.4	.8	1.1	.3							3.7	9.0
WNW	.5	.5	1.2	.1								2.4	7.1
NW	.1	1.4	.3	.7	.3		.1					2.8	9.9
NNW	.1	1.2	.8	1.4	.4	.3						4.2	10.9
VARBL													
CALM												5.7	
	4.7	30.9	29.9	22.6	4.6	1.5	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 739

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

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible]EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — HECTOR AFT FARGO ND — 74-81 — MAY
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — ALL
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	.[illegible]	2.3	3.2	4.8	2.6	.7	.0					1[illegible].9	12.3
NNE	.1	1.1	1.7	1.9	.3	.0						[illegible].2	10.1
NE	.2	1.[illegible]	1.5	.9	.1	.[illegible]						3.7	8.5
ENE	.3	1.2	1.4	.4	.0							3.3	7.[illegible]
E	.[illegible]	1.6	2.0	.9	.1	.0						4.8	8.0
ESE	.4	1.[illegible]	1.7	1.2	.2							5.3	8.[illegible]
SE	.2	1.[illegible]	3.1	2.6	.6	.1						8.4	9.9
SSE	.[illegible]	1.4	2.4	5.5	1.7	.[illegible]	.0					11.7	12.7
S	.3	2.5	3.9	5.2	2.1	.7	.1					14.6	11.8
SSW	.2	.[illegible]	1.[illegible]	1.1	.4	.0						3.6	10.1
SW	.1	.[illegible]	.6	.7	.3							2.6	9.[illegible]
WSW	.2	.[illegible]	.6	.5	.2	.1						2.2	9.3
W	.[illegible]	1.[illegible]	1.1	1.0	.4	.1						3.8	9.7
WNW	.2	.[illegible]	1.0	1.1	.1	.1						3.[illegible]	10.[illegible]
NW	.1	.8	1.[illegible]	1.3	.5	.1	.0					[illegible].8	11.1
NNW	.2	.[illegible]	1.5	[illegible].1	1.1	.2						6.[illegible]	11.[illegible]
VARBL													
CALM												4.0	
	[illegible].4	20.[illegible]	27.9	31.2	10.5	2.4	.1					1[illegible].0	10.3

TOTAL NUMBER OF OBSERVATIONS 5942

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

AL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
14914	HECTOR APT FARGO ND	73-80	JUN

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 0000-2300

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	2.8	2.9	1.8								7.6	8.2
NNE	.4	1.9	2.1	.6	.4							5.4	8.0
NE	.1	.7	.6	1.2								2.6	9.6
ENE		1.5	.4	.1								2.1	6.2
E	.1	.4	1.2	.6								2.4	8.2
ESE	.1	1.4	1.2	1.4								4.2	8.5
SE	.4	1.9	1.1	3.2	.7	.3						7.6	10.7
SSE		1.4	3.2	7.8	2.1							14.4	12.4
S	.7	5.1	5.4	4.2	1.1	.3						16.7	9.5
SSW	.1	2.8	2.2	.7								5.8	7.1
SW	.1	1.5	1.5	.6	.1							3.9	7.8
WSW		1.2	1.7	.1								3.1	7.1
W	.4	1.4	2.1	.7								4.6	7.5
WNW	.4	2.1	1.8	1.4	.1							5.8	7.9
NW	.1	.6	1.1	.7								2.5	8.4
NNW		1.1	1.4	1.0	.3							3.7	9.4
VARBL													
CALM												7.5	
	3.3	27.8	30.0	26.0	4.9	.6						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
USAF WEATHER SERVICE/MAC

SURFACE WINDS

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

14 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

0300-0600 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.9	1.5	1.8	.6							7.1	9.2
NNE	.4	1.4	1.7	1.1	.1							4.7	8.8
NE	.4	1.0	.9	.4	.1							2.8	7.2
ENE		.7	.3	.1	.1							1.2	8.3
E	.1	.8	.8	1.5	.3							3.6	10.7
ESE	.6	1.3	.8	.4								3.6	6.4
SE	.4	1.6	2.4	2.2	.6							7.4	9.7
SSE		1.0	3.1	7.4	1.8							13.2	12.4
S	.7	4.2	6.0	4.0	.1							15.0	8.7
SSW	.3	3.0	1.8	1.1	.3							7.4	7.3
SW	.4	1.1	.8	.4								2.8	7.0
WSW	.4	1.1	1.4	.8	.1							3.9	8.1
W	.6	1.4	2.5	1.0								5.4	7.5
WNW		1.4	1.8	1.1								4.3	8.5
NW	.4	1.1	1.1	1.2								3.9	8.6
NNW	.1	1.8	2.1	1.5								5.6	8.5
VARBL													
CALM												0.2	
	5.1	27.4	28.9	26.2	4.2							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 720

USAFETAC FORM JUL 66 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 1N — STATION
[illegible]TOP APT FARGO ND — STATION NAME
73-85 — YEARS
JUN — MONTH

ALL WEATHER — CLASS
0600-2300 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.[illegible]	3.7	3.6	1.0	.3	.1					11.[illegible]	10.9
NNE		1.5	2.6	2.2	.1							[illegible].5	9.6
NE	.4	.6	.8	.6								2.4	7.8
ENE	.1	1.0	1.0	.4	.1							2.6	8.0
E	.1	1.2	1.1	.4		.1						3.1	[illegible].1
ESE	.1	.7	.8	1.0	.3							[illegible].9	10.2
SE	.3	1.2	2.6	2.5	.6							7.2	10.2
SSE	.1	1.[illegible]	2.2	5.7	1.1	.3						10.4	12.5
S	.4	2.2	6.[illegible]	7.2	.3							16.1	10.3
SSW	.4	2.2	2.5	1.5								6.7	8.3
SW	.[illegible]	.7	1.8	.6	.1							3.5	8.6
WSW	.1	1.1	1.[illegible]	1.4								4.6	8.9
W	.3	1.5	2.2	1.5	.3							5.8	9.0
WNW		1.1	2.8	1.4	.6							5.8	9.9
NW	.[illegible]	.1	1.4	.6	.1							2.5	9.4
NNW		1.[illegible]	1.4	2.1	.4							4.9	10.6
VARBL													
CALM												4.[illegible]	
	3.5	19.0	35.0	32.6	5.0	.7	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 720

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

AL CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

14 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.7	2.9	4.7	1.1	.8	.1					11.5	12.3
NNE	.1	.8	1.2	2.5	.7							5.4	11.5
NE		1.7	1.1	1.4	.1							4.3	6.9
ENE	.1	.7	1.2	.1								2.2	7.4
E		.6	1.2	.4	.4	.1						2.8	10.6
ESE		.6	.7	1.2	.1	.1						2.8	11.4
SE		1.0	1.0	2.1	.6	.1						4.7	11.4
SSE		.4	2.1	4.4	1.8	.6						9.3	13.8
S	.3	1.4	4.3	10.4	2.8	.1	.1					19.4	12.5
SSW		.6	1.2	1.9	.6	.1						4.4	12.1
SW		.1	1.1	2.5	.4							4.2	11.7
WSW		.3	1.9	1.2	.4	.1						4.0	11.5
W	.5	1.2	2.2	1.4	1.2	.4						6.8	11.2
WNW		.3	1.1	3.3	1.1							5.8	13.6
NW		.5	1.1	2.1	.8	.1						4.7	12.9
NNW	.1	.7	1.7	3.5	.3	.3						6.5	11.9
VARBL													
CALM												1.0	
	1.1	12.5	26.2	43.3	12.5	3.1	.3					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 720

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

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 ...14 (STATION) | ...ECTOR APT FARGO ND (STATION NAME) | 73-80 (YEARS) | JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.4	1.9	4.7	1.7	1.0						10.8	13.2
NNE	.1	.4	1.5	1.9	.4							4.4	11.2
NE		.5	.8	1.1	.1							2.6	10.1
ENE		.6	1.0	.6	.1							2.2	10.0
E		1.1	1.0	.8								2.9	9.0
ESE	.1	.7	1.1	1.2	.3							3.5	10.2
SE		1.1	1.9	1.8	.7	.1						5.6	11.5
SSE		.7	1.0	4.2	3.9	.3						9.6	15.6
S	.1	1.1	2.9	7.2	3.7	.3						15.4	13.6
SSW		.1	1.2	1.7	.6	.1						3.7	13.1
SW		.5	1.5	1.5	.4	.3						4.6	11.7
WSW		.3	1.8	.8	.3							3.2	10.6
W		1.1	3.1	2.4	1.9	1.0	.1					9.6	13.5
WNW		.6	1.0	2.8	1.2	.3						5.8	13.2
NW		.7	1.2	4.0	1.4	.7						8.1	13.7
NNW	.1	.7	1.4	3.9	1.1	.3						7.5	13.0
VARBL													
CALM												.4	
	.7	11.5	24.3	40.7	17.9	4.3	.1					100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 720

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

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1...14 (STATION) | ...ECTOR APT FARGO ND (STATION NAME) | 73-80 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.7	1.7	5.8	1.4	.6						10.4	13.0
NNE	.1	.1	1.5	2.5	.7							5.0	12.3
NE		.6	1.7	1.9	.1							4.3	10.3
ENE		.3	.7	.4			.1					2.1	9.8
E		.8	.8	.8	.1							2.6	9.7
ESE		1.1	1.0	.3								2.4	8.1
SE	.1	.1	2.1	2.2		.1						4.7	11.0
SSE		1.0	1.1	4.4	3.2	.3						10.0	14.0
S	.1	.6	2.5	6.0	4.0	1.0						14.2	14.6
SSW		.6	.8	1.7	.6	.4						4.0	13.4
SW		1.0	1.8	1.4	.4							4.6	9.9
WSW		.4	1.7	1.2	.4							3.7	11.2
W	.4	.8	2.2	3.6	.7	.3						8.1	11.7
WNW		.8	1.4	2.2	2.8	.6						7.8	14.5
NW	.1	.7	1.1	4.3	1.7							7.9	13.2
NNW		.1	2.1	3.9	1.0	.3						7.4	13.2
VARBL													
CALM												.8	
	1.2	10.3	24.2	42.8	17.1	3.5	.1					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 720

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

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

14 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.3	2.4	3.9	1.4	.8	.1					7.6	13.1
NNE	.3	1.5	2.9	2.1	.6	.1						7.5	9.7
NE		1.5	2.4	1.2								5.4	8.3
ENE	.1	.3	1.2	.4								2.1	7.6
E		1.2	1.5	.8								3.6	8.2
ESE		1.1	1.8	.8								3.7	8.3
SE	.1	1.0	1.7	5.0	.4							8.2	11.5
SSE		.8	2.4	5.4	.8	.3						9.7	12.3
S		1.7	4.2	5.4	.7	.3						12.2	11.1
SSW	.3	.7	1.5	1.0	.1							3.6	9.2
SW	.3	1.0	.7	1.0	.3							4.0	8.5
WSW	.1	1.2	1.2	.6	.1							3.3	8.0
W	.1	.9	2.4	.8	.3	.3						4.7	9.9
WNW		.8	2.4	2.9	1.8	.3	.1					8.3	12.7
NW		1.1	2.1	2.4	.8	.1						6.5	11.4
NNW		.3	2.6	2.5	.1							6.1	10.5
VARBL													
CALM												1.2	
	1.5	17.6	33.3	36.2	7.5	2.2	.3					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 729

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

...L CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
...ECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUN — MONTH
ALL WEATHER — CLASS
2100-2300 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	3.3	2.6	2.4	.3							8.7	8.7
NNE	.4	2.6	1.2	1.2	.1	.3						5.8	8.4
NE	.1	1.6	1.4	.7								3.8	7.4
ENE	.7	1.5	.4		.1							2.4	6.2
E	.1	1.3	2.1	.3								4.3	7.6
ESE	.3	2.1	1.1	1.0		.1						4.6	7.8
SE	.3	2.6	2.4	6.7	.4							12.4	10.3
SSE		.7	3.5	5.6	.7							10.4	11.7
S	.4	3.2	4.4	2.8	.6	.1						12.2	8.6
SSW	.3	3.2	1.7									5.1	6.2
SW	.1	2.9	1.0	.1								4.2	6.3
WSW	.4	1.7	1.7	.3		.1						4.2	7.4
W	.6	1.8	2.4	1.4								6.1	6.3
WNW	.3	1.2	.8	.7								3.1	7.7
NW	.4	.6	1.1	1.1	.4							3.9	9.4
NNW		1.5	.7	.8	.3							3.3	8.9
VARBL													
CALM												5.1	
	4.2	33.6	28.5	25.0	2.9	.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 720

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

AL CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

1 14 | HECTOR APT FARGO ND | 73-83 | JUL
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | ALL
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	.2	1.9	2.5	3.6	.9	.4	.1					9.6	11.3
NNE	.2	1.3	1.9	1.8	.4	.1						5.6	9.9
NE	.1	1.1	1.2	1.1	.1							3.6	8.6
ENE	.1	.9	.8	.3	.1		.0					2.1	8.0
E	.1	1.0	1.2	.7	.1	.0						3.2	8.9
ESE	.2	1.2	1.1	.9	.1	.0						3.5	9.7
SE	.2	1.4	1.9	3.2	.5	.1						7.2	10.7
SSE	.0	.6	2.3	5.6	1.9	.2						10.9	13.3
S	.3	2.5	4.5	5.9	1.7	.3	.0					15.2	11.2
SSW	.2	1.1	1.6	1.2	.3	.1						5.1	9.1
SW	.2	1.2	1.3	1.0	.2	.0						4.0	9.1
WSW	.1	.9	1.7	.8	.2	.0						3.7	9.1
W	.3	1.3	2.4	1.6	.6	.2	.0					6.4	10.2
WNW	.1	1.0	1.6	2.0	1.0	.1	.0					5.9	11.5
NW	.2	.7	1.3	2.0	.7	.1						5.0	11.6
NNW	.1	1.0	1.7	2.4	.4	.1						5.6	11.1
VARBL													
CALM												3.5	
	2.6	20.0	28.8	34.1	9.0	1.9	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 5760

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

L AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

1 1· HECTOR APT FARGO ND — STATION / STATION NAME

73-80 — YEARS

JUL — MONTH

ALL WEATHER — CLASS

OBSD-[illegible] — HOURS (L.S.T.)

CONDITION

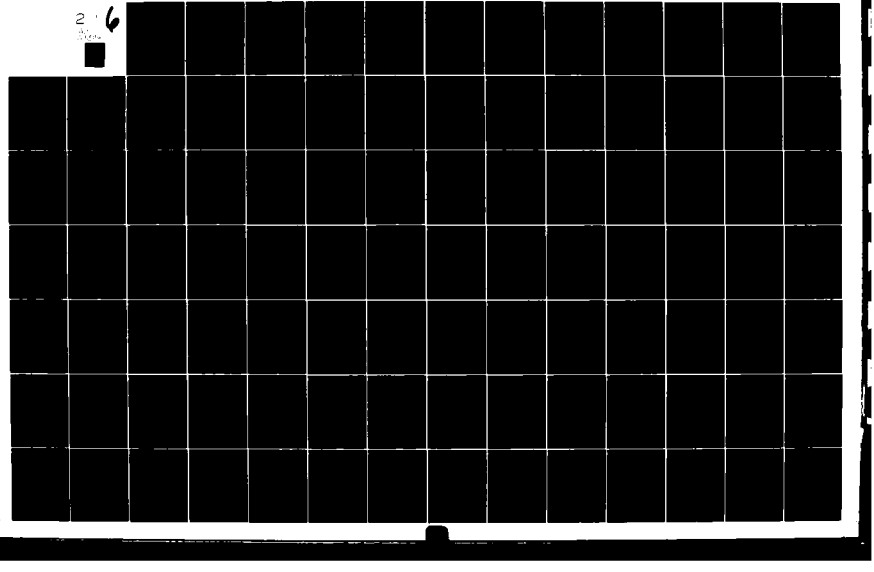
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.6	3.[illegible]	2.8	.1							[illegible].9	[illegible]
NNE	.[illegible]	.7	1.5	.3			.1					3.1	[illegible]
NE	.7	.9	.4	.7								2.7	7.
ENE	.1	.[illegible]	.7									1.[illegible]	5.
E		2.[illegible]	1.3	.3								3.6	7.
ESE	.3	2.4	1.7	.4								4.8	6.
SE	.1	2.7	3.4	2.7	.1							[illegible].[illegible]	[illegible]
SSE	.1	1.1	2.4	5.5	1.1							10.2	11.
S	.7	3.1	7.8	7.0	.5							19.1	[illegible]
SSW	.7	1.7	.3									[illegible].7	4.
SW	.4	1.2	.5									2.2	4.
WSW	.5	.4	1.3									[illegible].3	6.
W	.4	1.[illegible]	2.[illegible]	.4								4.[illegible]	6.
WNW	.[illegible]	1.9	1.7	.8	.1		.1					[illegible].5	8.
NW	1.3	2.[illegible]	2.4	.7								[illegible].[illegible]	6.
NNW	.7	2.2	1.5	1.5	.4	.1						6.3	8.
VARBL													
CALM												[illegible].[illegible]	
	7.8	27.6	32.0	23.0	2.4	.1	.3					100.0	7.

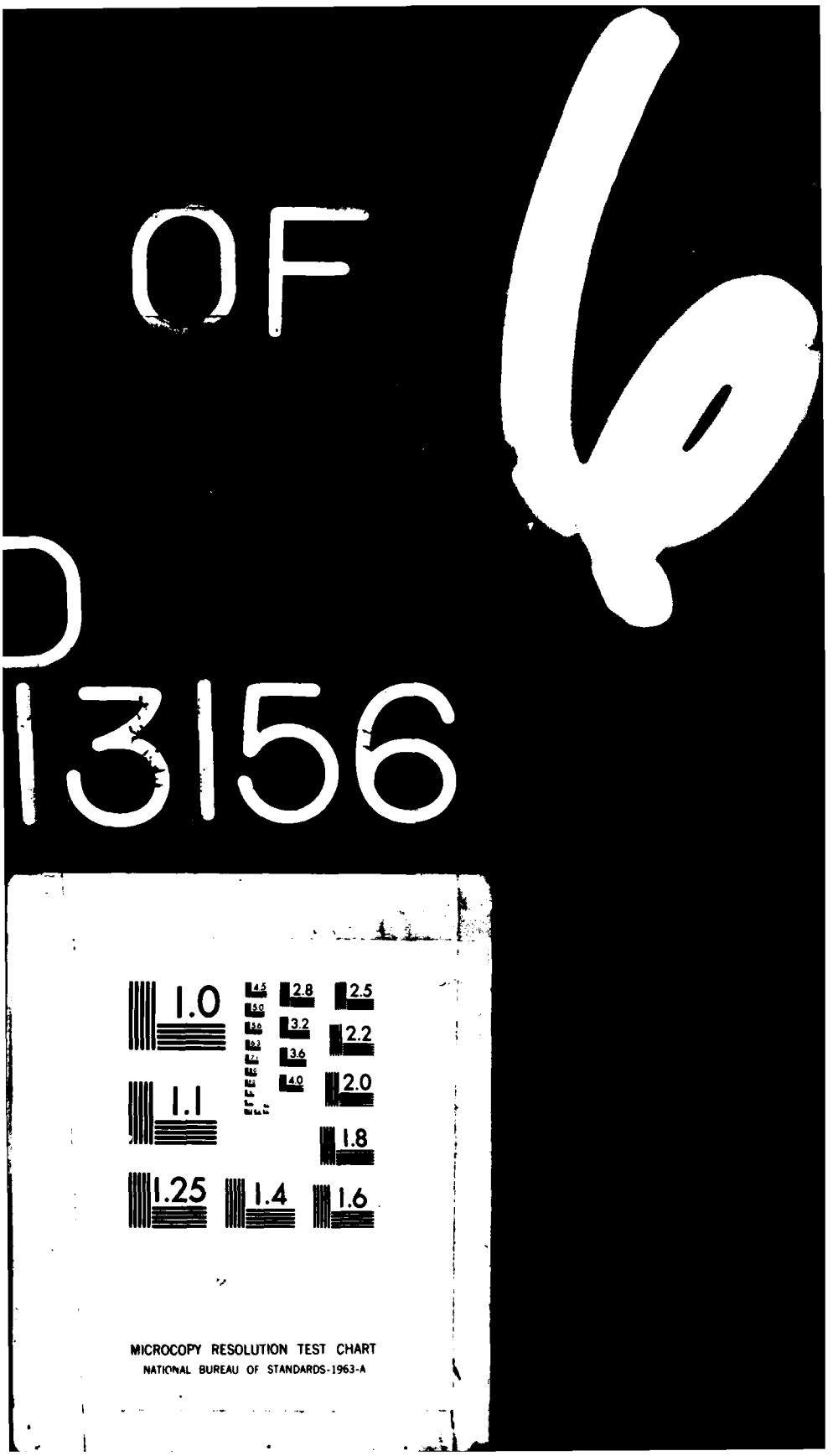
TOTAL NUMBER OF OBSERVATIONS 74

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

AD-A113 156 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
JAN 82

UNCLASSIFIED USAFETAC/DS-82/001 SBI-AD-E850 137 NL




OF
6
D
13156
1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]14	HECTOR APT FARGO ND	73-80	JUL

CLASS: ALL WEATHER

CONDITION:

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	3.8	3.5	2.3	.3							10.1	8.2
NNE	.4	1.1	.8	.5								2.8	7.2
NE	.3	.9	.7									1.7	5.9
ENE	.1	1.1	.4									1.6	5.0
E	.1	.7	.4									1.2	6.3
ESE	.1	2.2	2.0	.3								4.6	6.8
SE	.5	3.5	2.8	2.7	.1							9.7	8.2
SSE	.1	2.6	4.6	5.8	1.7							14.8	10.9
S	.4	4.9	5.5	5.0	.3							16.0	8.7
SSW	.4	2.2	.7									3.2	5.2
SW	.5	2.3	.5									3.4	5.0
WSW	.3	.7	.5	.3								1.7	6.8
W	.4	2.2	1.7	.1	.1							4.6	6.5
WNW		2.2	3.1	.1	.3							5.6	7.7
NW	.4	2.6	1.3	.3	.4							5.0	7.3
NNW	.4	2.5	2.2	1.6	.1							6.9	8.4
VARBL													
CALM												7.1	
	4.8	34.9	30.8	19.0	3.4							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 744

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

...AL CLIMATOLOGY BRANCH
...ETAC
A... EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUL — MONTH
ALL WEATHER — CLASS
0600-0800 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.8	3.9	3.1		.1						10.8	8.5
NNE	.3	1.6	1.6	1.2								4.7	8.3
NE	.4	.8	.9	.4								2.6	7.5
ENE		.8	.7	.3								1.7	7.5
E	.1	1.3	.7	.3								2.4	6.6
ESE	.1	1.1	1.5	.3								3.0	7.1
SE	.1	2.3	2.6	2.0	.3							7.3	9.1
SSE		2.7	3.1	7.8	1.2							14.1	11.7
S	.4	3.6	7.0	6.0	.7							17.7	9.6
SSW	.3	1.7	1.3	.7								4.0	7.5
SW		1.3	1.3	.1	.1							3.0	7.5
WSW	.1	.8	.4	.4								1.7	7.2
W	.4	1.6	.9	.7	.1							3.8	7.3
WNW	.3	1.6	1.9	1.2	.1							5.1	8.1
NW	.1	1.6	2.6	1.9	.5							6.7	9.6
NNW	.1	1.2	3.0	3.0	.1							7.4	9.8
VARBL													
CALM												4.3	
	3.5	26.2	33.3	29.3	3.2	.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.4	5.0	4.8	.5							10.9	11.0
NNE		.3	3.4	1.3								5.5	9.1
NE	.1	.8	1.6	.4	.1							3.1	8.1
ENE	.1	1.1	.9	.5								2.7	7.6
E		1.1	.7	.7	.1							2.6	8.5
ESE	.1	.3	1.5	1.2								3.1	9.5
SE		.8	2.2	1.2	.4							4.7	10.1
SSE		1.1	2.4	5.2	1.7	.4	.1					11.0	12.8
S	.1	1.7	6.3	8.1	2.2	.1						18.5	11.7
SSW	.1	.7	2.0	1.5	.5							4.8	10.1
SW	.1	.5	1.5	.9	.3							3.4	9.7
WSW		.4	1.5	1.1	.3							3.2	10.5
W	.1	1.5	2.3	1.3	.1	.1						5.5	9.0
WNW	.1	.7	2.4	1.2	.7							5.1	10.3
NW	.1	1.2	1.2	2.6	1.2							6.3	11.6
NNW	.1	.7	2.8	3.4	2.2							9.1	12.5
VARBL													
CALM												.4	
	1.5	13.8	37.6	35.5	10.3	.7	.1					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 744

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

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
A[illegible] EATHER SERVICE/MAC

SURFACE WINDS

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

1[illegible]1[illegible]	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	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	.3	1.6	3.0	5.5	.9	.1						11.4	11.2
NNE		.8	2.3	1.2	.4							4.7	9.7
NE		.7	1.7	.1								2.6	7.6
ENE		.7	1.2	.1								2.0	7.5
E	.1	1.6	1.5	.4	.1							3.8	7.7
ESE		.4	1.6	1.2	.1							3.4	9.8
SE		.7	2.2	2.6	.9							6.3	11.6
SSE		1.1	2.6	3.9	1.5	.4	.1					9.5	12.6
S		.7	3.6	6.0	3.1	.5						14.0	13.6
SSW	.1	.1	1.5	3.5	.7	.1						6.0	12.2
SW		.7	1.3	1.2	.7							3.9	11.3
WSW		.4	1.6	.4								2.4	8.7
W	.1	1.5	1.6	1.9	1.2			.1				6.5	11.9
WNW		.7	2.4	2.8	.9							6.9	11.8
NW		.5	1.6	3.9	1.7	.1						7.9	13.4
NNW		.7	1.9	4.2	1.7							8.5	12.5
VARBL													
CALM												.3	
	.7	12.8	31.6	39.0	14.1	1.3	.1	.1				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 744

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

SURFACE WINDS

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

1[illegible]14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.6	4.2	7.5	.9	.3						14.7	11.7
NNE	.1	2.0	2.3	1.1	.1							5.6	8.4
NE	.1	1.3	1.5	.9								3.9	8.0
ENE	.3	1.3	1.9	.1								3.6	6.9
E		.7	.7	.5								1.9	8.2
ESE		.3	1.3	.9	.3							2.8	11.0
SE	.3	.7	2.4	3.2	.4							7.0	10.5
SSE	.1	.5	1.6	4.0	.8	1.1						8.2	13.3
S	.1	1.1	2.8	6.0	2.8	1.1						14.0	13.6
SSW		.4	.9	1.7	.7	.1						3.9	12.8
SW		1.1	1.7	1.2								4.0	8.8
WSW	.4	.3	1.3	1.3	.1	.1						3.6	10.4
W		.5	1.9	2.8	1.1	.3						6.9	12.4
WNW		.3	1.3	2.2	.5							4.8	11.3
NW		.5	2.0	4.0	1.2	.5						8.3	13.3
NNW		.5	1.5	3.1	.7	.3						6.0	12.6
VARBL													
CALM												.7	
	1.6	14.0	29.4	40.9	9.7	3.8						100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 744

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

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1...14 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	3.0	5.6	3.6	.7							13.0	9.5
NNE	.4	2.0	2.7	1.2	.3							6.6	8.3
NE	.1	2.4	2.3	.4								5.2	6.8
ENE		2.7	1.1	.1								3.9	6.5
E	.1	.9	2.8	.3								4.2	7.6
ESE	.1	.4	1.9	1.7	.1							4.3	9.9
SE		.8	3.5	3.4	.1							7.8	10.6
SSE		1.3	2.6	5.4	1.7	.1						11.2	12.3
S		2.0	4.8	4.0	.7							11.6	10.3
SSW	.1	1.1	1.5	.9	.1	.1						3.9	8.7
SW	.1	1.2	.9	.8	.1							3.2	6.1
WSW	.3	.8	.4	.1								1.6	6.2
W		1.1	2.4	1.1	.7	.1						5.4	10.0
WNW	.1	.9	.9	.7	.5							3.2	9.8
NW	.1	1.5	2.7	2.2	.1	.1						6.7	10.0
NNW	.1	.3	3.1	2.7	.1							6.3	10.3
VARBL													
CALM												1.9	
	1.9	22.4	39.2	28.6	5.4	.5						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 744

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

L AL CLIMATOLOGY BRANCH
ETAC
AT EATHER SERVICE/MAC

SURFACE WINDS

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

1-14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

2100-2300
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	.9	3.4	3.0	1.7								9.0	7.8
NNE	.4	2.6	1.2	1.1								5.2	7.3
NE	.1	.8	.8	.1								1.9	6.8
ENE	.3	1.9	1.1	.3								3.5	6.9
E	.1	2.3	1.5	.4		.1						5.0	7.1
ESE	.3	3.0	2.0	.9								6.2	7.5
SE	.3	2.3	3.9	3.2	.5							10.2	9.5
SSE		.9	3.1	4.7	1.6							10.3	11.9
S	.7	3.0	6.6	5.5	.7							16.4	9.7
SSW		1.2	.7	.4		.1						2.4	8.2
SW	.4	1.3	.5	.5								2.8	7.0
WSW	.1	.9	.5	.1								1.7	6.5
W	.7	3.4	1.6	1.2	.3							7.1	7.5
WNW	.4	1.9	1.7		.1							4.2	6.7
NW	.1	2.2	1.2	.3								3.8	6.5
NNW	.9	2.2	1.1	1.2	.1							4.8	8.3
VARBL													
CALM												5.4	
	5.1	33.6	30.5	21.8	3.4	.3						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 744

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

L AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	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	.4	2.4	3.9	3.9	.4	.1						11.1	9.9
NNE	.3	1.4	2.0	1.0	.1		.0					4.8	8.4
NE	.2	1.1	1.2	.4	.0							3.0	7.3
ENE	.1	1.3	1.0	.2								2.6	6.8
E	.1	1.4	1.2	.4	.0	.0						3.1	7.4
ESE	.1	1.2	1.7	.9	.1							4.0	8.2
SE	.2	1.7	2.9	2.6	.4							7.7	9.7
SSE	.1	1.3	2.9	5.3	1.4	.3	.0					11.2	12.0
S	.3	2.5	5.6	6.0	1.4	.2						15.9	10.7
SSW	.2	1.1	1.1	1.1	.3	.1						3.9	9.3
SW	.2	1.2	1.1	.6	.2							3.2	8.1
WSW	.2	.6	1.0	.5	.1	.0						2.3	8.2
W	.3	1.7	1.8	1.2	.5	.1		.0				5.5	9.2
WNW	.2	1.3	1.9	1.1	.4		.0					5.1	9.3
NW	.3	1.5	1.9	2.0	.7	.1						6.4	10.3
NNW	.2	1.3	2.1	2.6	.7	.1						6.9	10.6
VARBL													
CALM												3.4	
	3.4	23.2	33.1	29.6	6.5	.9	.1	.0				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 5952

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

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

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

1--14 STATION | HECTOR ART FARGO ND STATION NAME | 73-80 YEARS | AUG MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.4	2.3	1.5	.4							7.4	8.1
NNE	.3	2.4	.7	.3	.1							3.6	6.7
NE	.1	1.5	.4	.3								2.3	6.3
ENE	.1	2.2	.7	.1								3.1	5.8
E	.5	2.8	1.6	.4	.1							4.7	6.9
ESE	.1	1.3	1.7	.9								4.2	7.9
SE	.1	1.2	4.7	3.4	.1		.1					9.7	9.9
SSE	.4	.9	3.6	6.0	2.0	.1						13.2	12.3
S	.4	4.0	7.1	5.1	1.5							18.1	9.6
SSW		1.3	.4	.5								2.3	7.5
SW	.4	1.1	.3									1.7	5.0
WSW		.8	.4	.3	.3	.1						1.9	10.5
W	.3	1.2	3.5	.8	.1	.1						6.0	8.6
WNW	.3	1.3	1.9	.9	.1							5.1	7.6
NW		1.6	1.7	.3			.3					3.9	8.4
NNW	.1	2.6	1.6	.5	.4	.1						5.4	8.4
VARBL													
CALM												7.3	
	4.2	28.4	32.7	21.4	5.2	.5	.4					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 744

...L CLIMATOLOGY BRANCH
...CTAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

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

1...14 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.0	3.2	1.5	.7							9.0	8.1
NNE	.5	1.7	1.1	.3		.1						3.8	6.8
NE	.5	1.1	.7									2.3	5.2
ENE	1.2	1.3	.4	.1								3.1	5.2
E		2.2	.7	.3								3.1	6.4
ESE		1.9	1.6	.7								4.2	7.7
SE	.1	1.1	3.5	3.1	.1							7.9	10.2
SSE		.9	3.9	7.1	.4	.1						12.5	11.5
S	.3	4.3	6.7	4.7	.4							16.4	9.2
SSW	.4	2.0	.7									3.1	5.4
SW	.1	1.2	.7	.3	.1	.1						2.6	8.4
WSW	.3	1.2	.8	.7								3.0	7.6
W	.3	1.7	4.0	.4	.3	.1						6.9	8.2
WNW	.5	1.9	1.6	.7								4.7	7.0
NW	.5	1.5	.9	.3								3.2	6.3
NNW	.5	3.2	1.3	.7		.1						5.9	6.9
VARBL													
CALM												8.5	
	6.0	30.2	31.9	20.7	2.0	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 744

2859

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

...AL CLIMATOLOGY BRANCH
...ETAC
... EATHER SERVICE/MAC

SURFACE WINDS

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

1...14	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

0600-0800
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	2.2	4.8	1.5	.4							9.1	8.7
NNE	.4	1.2	.9	.4	.1							3.1	7.6
NE		.9	1.3	.1								2.4	7.1
ENE		1.9	.8	.5								3.2	7.2
E	.4	1.7	1.7	.8								4.7	7.4
ESE	.1	1.9	1.7	.7	.1							4.6	7.8
SE	.3	.8	3.8	3.1								7.9	9.9
SSE	.1	1.1	4.0	8.1	1.1	.1	.1					14.7	12.3
S	.3	3.4	6.5	3.9	.4	.1						14.5	9.2
SSW	.3	.8	.8	.4	.4							2.7	8.7
SW	.1	.5	.7	.3								1.6	8.1
WSW	.5	1.6	.7	.8								3.6	7.1
W	.5	1.6	2.6	1.7	.4							6.9	9.1
WNW		1.5	1.5	1.7	.1							4.8	9.3
NW	.1	2.9	3.0	.9	.3							8.3	8.1
NNW	.5	.8	1.3	.8	.1							3.6	8.3
VARBL													
CALM												6.2	
	4.0	23.9	36.2	25.8	3.5	.3	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 744

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

...L CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 (STATION) | FECTOR APT FARGO ND (STATION NAME) | 73-80 (YEARS) | AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.4	3.9	3.0	.9	.3						9.6	10.7
NNE	.1	.7	1.3	1.5	.1							3.8	9.9
NE	.3	.7	1.1	.3								2.3	7.4
ENE		1.7	1.6	.4								3.8	7.3
E		1.8	1.6	.7	.1							3.9	8.1
ESE	.1	.9	1.3	1.3								3.8	8.6
SE	.3	1.9	2.2	3.6	.1	.1						8.2	10.2
SSE		.8	2.7	6.6	1.9	.5						12.5	13.3
S	.1	1.7	3.4	8.3	.8	.3						14.7	11.9
SSW	.1	.4	2.0	1.1								3.6	8.9
SW	.3	.3	.4	1.3	.7							3.0	11.7
WSW	.3	.7	1.5	.8	.3							3.5	9.3
W		1.6	2.0	2.2	1.3	.3						7.4	11.4
WNW		.7	1.2	2.2	.8	.1						5.0	12.1
NW	.1	.9	2.6	3.0	.3							6.9	10.3
NNW	.1	.8	2.7	2.3	.3							6.2	10.1
VARBL													
CALM												1.9	
	2.0	16.9	31.5	38.4	7.7	1.6						179.3	10.7

TOTAL NUMBER OF OBSERVATIONS 744

L AL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1 14	HECTOR APT FARGO ND	73-80	AUG

CLASS: ALL WEATHER

CONDITION:

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

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	3.1	3.8	.7	.4						9.3	11.3
NNE		.3	2.2	.9	.1							3.5	9.4
NE	.1	.4	2.2	.4								3.1	8.4
ENE		.3	1.2	.8	.1							2.1	8.9
E	.1	1.2	1.9	.9	.3							4.4	8.2
ESE		.3	1.3	1.5								3.8	9.7
SE		.7	2.2	3.9	.8							7.5	11.5
SSE		.5	2.6	4.2	1.7	.5						9.5	13.3
S		1.7	3.4	6.5	3.1	.7						14.9	13.3
SSW	.5	.5	.7	1.5	.7							3.9	11.3
SW		.7	.7	1.1	.5							3.0	11.6
WSW		.3	1.7	.9	.3							3.8	10.3
W	.1	.3	2.0	2.8	.7	.8						7.3	12.7
WNW	.3	.3	1.6	3.8	.7	.5						7.7	12.4
NW		.5	1.7	3.2	1.6							7.1	12.5
NNW	.1	.8	1.9	4.0	.4							7.3	11.3
VARBL													
CALM												.7	
	1.3	12.0	30.2	40.2	11.7	3.0						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 744

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

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION — HECTOR APT FARGO ND — STATION NAME — 73-80 — YEARS — AUG — MONTH

ALL WEATHER — CLASS

1500-1700 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.2	3.6	3.9	.8							9.7	10.9
NNE		.3	2.3	2.2	.1							4.8	10.6
NE		.9	1.7	.7								3.4	8.3
ENE	.3	.9	.5	.5								2.3	8.9
E	.1	1.3	1.6	1.2	.4							4.7	9.5
ESE	.3	.9	1.2	.9								3.4	8.3
SE		.9	2.4	3.8	.7							7.8	11.6
SSE	.1	.8	2.2	4.4	2.4	.1						10.1	13.1
S		1.1	2.2	6.6	2.3	.9	.1					13.2	13.4
SSW		.7	.5	.7	.5	.3						2.3	13.2
SW		.5	1.5	.7	.4	.1						3.2	10.9
WSW	.1	.7	1.1	1.6	.4							3.9	10.5
W	.1	.1	2.4	3.1	.7	.7						7.1	12.3
WNW		.8	3.5	3.0	.8	.3						8.3	11.4
NW	.1	1.2	1.3	3.1	.8	.4						7.0	11.9
NNW		.8	1.9	4.0	.7	.5						7.9	12.5
VARBL													
CALM												.9	
	1.3	12.2	30.0	40.3	11.0	3.4	.1					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
14	HECTOR APT FARGO ND	73-80	AUG

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.8	4.0	3.1	1.1							11.4	9.6
NNE	.4	2.0	4.2	1.2	.1							7.9	8.3
NE	.4	2.2	1.7	.8								5.1	7.2
ENE	.1	1.1	1.1	.5								2.8	7.7
E	.3	2.7	2.0	1.5	.3							6.9	8.4
ESE	.5	2.5	1.6	1.1								5.2	7.8
SE		1.3	3.2	4.6	.5							9.7	11.1
SSE	.1	1.1	2.0	5.2	2.2	.1						10.5	12.3
S	.5	2.0	3.6	4.3	.9	.3						11.7	10.3
SSW	.3	.4	.7	.5	.3							2.2	9.6
SW	.1	1.3	.8		.3							2.6	7.5
WSW	.1	.5	1.7	.5	.3							3.2	9.4
W	.3	.9	.9	.9	.4	.4						3.9	10.9
WNW		1.1	1.9	.9								3.9	6.7
NW		1.3	2.8	1.6	.7	.1						6.6	10.1
NNW	.5	.5	1.9	1.6	.4	.1						5.1	10.2
VARBL													
CALM												1.9	
	4.2	22.7	34.3	28.5	7.4	1.1						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 744

CL AL CLIMATOLOGY BRANCH
STAC
AI FATHER SERVICE/MAC

SURFACE WINDS

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

1 14	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.3	2.2	1.7	.5							6.3	9.1
NNE	.3	2.6	1.9	.8	.1							5.2	7.1
NE	.4	2.7	1.6	.1			.1					5.0	6.7
ENE	1.1	2.4	1.5		.3							5.2	6.0
E	.5	1.9	3.6	.8	.1	.1						7.1	8.3
ESE	.7	.7	1.5	.8								3.6	7.6
SE	.3	1.7	3.6	3.6	.8	.1						10.2	10.3
SSE	.1	.3	3.6	7.4	2.7	.4						14.5	13.3
S	.1	4.3	4.4	4.2	.7	.1						13.8	9.5
SSW	.1	.8	.8	.3								2.0	6.7
SW		.7	.4	.3		.1						1.5	9.2
WSW	.1	1.1	.9	.1		.3						2.6	8.4
W	.4	1.5	2.6		.4							4.8	7.8
WNW	.1	2.0	1.1	.1	.1							3.5	7.2
NW		1.6	2.0	.5	.1							4.3	8.3
NNW	.3	.9	1.5	.9	.1							3.8	8.8
VARBL													
CALM												5.5	
	5.6	26.5	33.2	21.8	6.0	1.2	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

SURFACE WINDS

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

14 | HECTOR APT FARGO ND | 73-80 | AUG

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | ALL

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	.3	2.1	3.4	2.5	.7	.1						9.0	9.7
NNE	.3	1.5	1.8	.9	.1	.0						4.7	8.3
NE	.2	1.3	1.3	.3			.0					3.2	7.1
ENE	.4	1.6	1.0	.4	.1							3.3	6.9
E	.3	1.7	1.8	.8	.2	.0						4.6	8.0
ESE	.2	1.3	1.5	1.0	.0							4.1	8.1
SE	.1	1.2	3.2	3.6	.4	.0	.0					8.5	10.6
SSE	.1	.9	3.1	6.1	1.8	.3	.0					12.2	12.7
S	.2	2.3	4.7	5.4	1.3	.3	.0					14.7	10.3
SSW	.2	.5	.8	.6	.2	.0						2.8	9.0
SW	.1	.3	.7	.5	.3	.1						2.4	9.4
WSW	.2	.9	1.1	.7	.2	.1						3.2	9.1
W	.3	1.2	2.5	1.5	.5	.3						6.2	10.3
WNW	.2	1.3	1.8	1.7	.3	.1						5.4	10.0
NW	.1	1.3	2.0	1.6	.5	.1	.0					5.7	9.9
NNW	.3	1.3	1.8	1.9	.3	.1						5.6	9.9
VARBL													
CALM												4.1	
	3.6	21.9	32.5	29.6	6.8	1.5	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 4952

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
0000-2300 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.9	3.9	3.1	.8	.1						10.0	10.3
NNE		1.4	.6	.6								2.5	7.4
NE		.7	.8	.7								2.2	8.7
ENE	.1	1.4	.7									2.2	5.6
E	.4	.4	.8	.6		.1						2.4	8.9
ESE	.1	2.1	1.2	.7	.1							4.3	7.8
SE	.1	1.2	2.2	1.5								5.1	8.9
SSE	.1	1.9	4.2	6.2	.8	.1						13.1	11.3
S	.7	3.1	8.5	5.1	.6							17.9	9.2
SSW	.1	2.4	2.6									5.1	6.5
SW	.1	1.9	1.1									3.2	6.2
WSW	.1	1.7	1.8	.6	.1							4.3	7.2
W	.6	2.5	2.8	.6	.3	.1						6.5	7.8
WNW		2.1	1.2	.8		.1						5.0	8.5
NW	.1	1.5	1.1	1.1	.3							4.2	8.9
NNW	.3	.3	1.4	1.7	.6							4.2	11.0
VARBL													
CALM												7.5	
	3.3	26.0	35.7	23.2	3.6	.7						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 720

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

AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14	HECTOR APT FARGO ND	73-86	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.2	3.5	2.0	.4	.1						9.4	9.5
NNE	.4	.1	.8	.4								1.8	7.8
NE	.4	.3	.8	.3								1.8	7.1
ENE	.3	1.1	.7	.1								2.2	6.3
E	.1	1.4	.8	.3								2.6	6.6
ESE	.1	1.3	1.2	1.1								3.5	8.5
SE	.3	1.3	1.8	1.2	.3							5.4	8.7
SSE	.1	.9	4.4	8.3	1.5							15.3	12.1
S	.9	5.8	6.1	3.2	.1							16.1	7.9
SSW	.4	2.6	2.1	.6								5.7	6.7
SW	.4	1.5	1.5	.7								4.2	6.9
WSW	.3	.6	1.8	.7	.1							3.5	8.7
W	.1	1.4	3.2	.8	.1	.1						6.2	6.4
WNW	.3	2.1	1.5	1.1		.3						5.3	8.6
NW	.3	2.1	1.5	.7								4.5	7.2
NNW	.4	1.2	1.4	2.2	.8							6.1	10.6
VARBL													
CALM												6.2	
	5.1	26.5	33.3	24.7	3.5	.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 720

1 [illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible]EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
0600-0800 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.2	3.2	4.7	1.4							11.9	10.6
NNE	.1	.3	.7	.4								1.5	7.6
NE		.3	.7	.7								1.7	9.8
ENE	.4	1.2	1.5									3.2	6.6
E	.3	1.2	.4									1.9	5.2
ESE	.1	1.5	1.2	.8								3.7	7.6
SE	.1	1.2	3.1	2.2		.1						6.8	9.3
SSE		2.1	4.0	7.8	1.4	.1						15.4	11.6
S	.7	5.4	6.9	3.2	.6							16.3	9.2
SSW	.1	1.3	2.1	.8								4.3	8.1
SW	.1	.9	1.5	1.4								3.9	9.1
WSW	.1	1.1	1.2	1.0	.1							3.6	9.0
W	.1	1.3	1.9	1.4								5.3	8.6
WNW	.1	1.1	1.9	1.5	.3	.3						5.3	10.8
NW	.3	.7	2.4	1.4		.1						4.9	9.5
NNW		.9	1.8	2.1	.4							5.1	10.5
VARBL													
CALM												4.3	
	3.2	23.5	34.7	29.4	4.2	.7						100.0	9.[illegible]

TOTAL NUMBER OF OBSERVATIONS 723

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

AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
0900-1100 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.7	2.9	6.8	1.8	.3						13.7	12.2
NNE	.1	.8	.7	1.4	.6	.1						3.7	11.2
NE		.1	1.1	.1								1.4	5.3
ENE	.3	.6	1.1	.7								2.6	8.3
E	.1	.1	.7	.6	.1							1.7	10.3
ESE		.8	.7	.4	.1							2.1	8.2
SE	.3	.9	2.8	2.5	.3							6.7	10.5
SSE	.3	1.1	3.7	4.7	1.0	.3						11.1	11.5
S	.4	1.9	5.1	9.2	2.2	.1						19.0	11.7
SSW		.3	1.9	3.3								5.6	11.2
SW	.1	1.2	1.2	1.0	.1	.3						4.0	10.2
WSW	.1	.7	1.2	.3	.6	.4						3.3	11.7
W		.8	1.9	1.2	.6	.3						4.9	11.5
WNW		.8	1.8	1.9	1.2	1.0	.1					6.9	13.9
NW		1.0	1.5	2.4	.3		.1					5.3	11.3
NNW		.7	2.1	3.1	.7							6.5	11.6
VARBL													
CALM												1.4	
	2.1	13.6	30.7	39.6	9.6	2.8	.3					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 723

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

L AL CLIMATOLOGY BRANCH
ETAC
A FAT ING SERVICE/MAC

SURFACE WINDS

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

1 14 HECTOR APT FARGO ND — 73-80 — SEP

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 1200-1400

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		1.2	1.4	6.8	1.8	.4						11.7	13.3
NNE	.1	.3	1.0	.8	.1							2.4	9.9
NE		.2	.8	.6								2.2	8.4
ENE	.1	.3	.6	.6	.1							1.7	9.2
E	.1	.6	.8	1.0								2.5	9.1
ESE		.4	2.2	.6	.3							3.5	10.3
SE		.2	1.4	2.4	.3							4.9	10.7
SSE			2.4	3.5	1.5	1.5						8.9	14.7
S	.3	.6	3.7	8.3	2.5	1.0	.1					16.5	13.6
SSW	.1	.7	1.0	1.8	1.0							4.6	12.2
SW		.4	2.2	2.5	.3	.1						5.6	11.1
WSW		.7	1.7	1.1	.3							3.7	10.4
W	.3	.7	2.2	1.9	1.8	.3						7.2	12.5
WNW	.1	1.1	2.1	3.1	2.2	.8						9.4	13.6
NW		.1	1.8	2.5	.3	.6	.1					5.4	13.2
NNW		1.3	1.9	4.9	1.1	.1						9.3	12.4
VARBL													
CALM												.8	
	1.2	9.7	27.2	42.2	13.6	4.9	.3					100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 720

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

L AL CLIMATOLOGY BRANCH
USAFETAC
W EATHER SERVICE/MAC

SURFACE WINDS

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

1 914	HECTOR APT FARGO ND	73-80	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.5	4.6	5.8	2.6	.3						14.9	12.2
NNE		.5	1.8	1.2	.1							3.7	9.9
NE	.1	.6	1.0	.1		.1						1.9	5.4
ENE		.4	.8		.1							1.4	6.5
E	.1	.4	1.2	.7	.3							2.8	9.9
ESE	.1	1.1	1.8	.6	.1							3.7	8.3
SE	.3	.7	1.9	1.9	.3							5.1	10.2
SSE		.3	1.8	3.2	1.0	.3						6.5	13.0
S	.4	1.5	3.2	6.9	2.5	1.0	.4					16.0	13.3
SSW		.7	1.2	2.6	.8	.1						5.6	12.5
SW	.3	.3	1.2	1.9	1.5	.1						5.4	11.7
WSW	.1	.6	1.2	1.1	.1							3.2	9.6
W		.4	2.1	2.5	.1	.4						5.6	12.1
WNW		.4	2.1	2.4	1.7	.4						6.9	13.6
NW	.1	.6	2.5	3.5	1.1	1.2						9.0	13.6
NNW		.3	1.0	3.7	1.9	.4						7.4	14.5
VARBL													
CALM												.8	
	1.7	10.8	29.6	38.3	13.9	4.4	.4					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 727

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

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

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

1...14 (STATION) | HECTOR APT FARGO ND (STATION NAME) | 73-83 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 1800-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.8	4.7	4.0	1.4	.1						14.3	9.9
NNE	.7	1.9	2.5	1.1	.1							6.4	7.7
NE		2.2	.7	.4								3.3	6.7
ENE	.1	1.7	.8	.3	.1	.3						3.3	6.7
E	.3	1.1	1.4	.6	.1							3.5	8.3
ESE	.4	1.7	1.8	1.1	.3							5.3	8.3
SE	.1	2.2	4.4	1.8								8.6	8.5
SSE	.1	1.2	3.5	1.9	.4	.1						7.4	9.9
S	.3	3.2	5.4	4.4	.8	.1						14.3	9.6
SSW	.3	1.7	1.4	1.2								4.6	8.2
SW	.1	.4	.6	.1	.3							1.5	9.2
WSW		1.2	.7		.3							2.2	7.3
W	.3	2.5	2.1	.8	.1							5.8	7.4
WNW	.1	1.2	1.9	1.4	.3		.3					5.3	10.5
NW		1.1	2.6	2.9	.7	.4						7.8	11.5
NNW		.6	1.0	1.8	.8							4.2	12.3
VARBL													
CALM												2.2	
	4.2	26.8	35.6	24.0	5.8	1.1	.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 720

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

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible]EAT[illegible] SERVICE/MAC

SURFACE WINDS

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

[illegible]14 (STATION) [illegible]ECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

0100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.1	4.4	3.7	.6	.1						12.4	9.4
NNE		2.2	.7	.8								3.7	7.4
NE	.1	.3	1.1	.6								2.[illegible]	8.1
ENE	.1	1.4	1.4	.3								3.2	7.[illegible]
E	.1	2.2	1.2	.4	.1	.1						4.3	7.9
ESE		1.[illegible]	1.4	.6	.1							3.1	8.7
SE		2.6	3.9	3.2	.3	.1						10.1	10.1
SSE	.[illegible]	1.2	3.2	4.4	.4	.1						9.7	10.5
S	.[illegible]	2.6	6.1	4.7	.7	.1						15.1	9.6
SSW	.6	1.5	2.2	.4								4.7	6.6
SW	.4	1.[illegible]	.6	.1		.4						3.5	7.[illegible]
WSW	.[illegible]	1.[illegible]	1.2	.1								2.6	6.7
W	.4	2.[illegible]	2.2	.7								5.[illegible]	7.[illegible]
WNW	.3	1.1	1.9	.3	.3	.3						4.2	8.9
NW		1.[illegible]	1.[illegible]	1.0	.4	.3						4.4	10.3
NNW		.[illegible]	1.3	2.5	1.1	.1						5.6	12.3
VARBL													
CALM												4.[illegible]	
	3.9	27.9	33.6	23.9	4.0	1.8						1[illegible].[illegible]	[illegible].7

TOTAL NUMBER OF OBSERVATIONS 72[illegible]

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

L AL CLIMATOLOGY BRANCH
TAC
FAT-ER SERVICE/MAC

SURFACE WINDS

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

1 14 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.1	3.6	4.7	1.4	.2						12.3	11.0
NNE	.2	1.0	1.1	.9	.1	.0						3.3	9.5
NE	.1	.7	.9	.4		.0						2.2	8.1
ENE	.2	1.0	1.0	.2	.1	.0						2.5	7.4
E	.2	.9	.9	.5	.1	.0						2.7	8.2
ESE	.1	1.2	1.5	.7	.1							3.6	8.4
SE	.2	1.4	2.7	2.1	.2	.0						6.6	9.6
SSE	.1	1.1	3.4	5.0	1.0	.2						10.9	11.9
S	.6	3.0	5.6	5.6	1.2	.3	.1					16.5	10.4
SSW	.2	1.4	1.8	1.4	.2	.0						5.0	9.0
SW	.2	1.1	1.2	1.0	.2	.1						3.9	9.3
WSW	.1	.9	1.4	.6	.2	.1						3.3	9.8
W	.2	1.6	2.3	1.2	.4	.2						6.0	9.4
WNW	.1	1.2	1.9	1.6	.7	.4	.1					6.0	11.5
NW	.1	1.1	1.8	1.9	.4	.3	.0					5.7	11.1
NNW	.1	.7	1.4	2.7	.9	.1						6.0	12.1
VARBL													
CALM												3.5	
	3.1	20.6	32.6	30.7	7.3	2.1	.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 5760

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
...CTOR ART FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH
ALL WEATHER — CLASS
0000-0200 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	1.6	4.4	1.5	.3	.3					9.1	12.1
NNE	.1	.5	.7	.7								2.0	9.6
NE		1.1	.7	.5								2.3	7.8
ENE	.1	1.3	1.1	.3								2.8	6.2
E	.3	.5	1.5	.1								2.4	6.5
ESE	.2	.4	.8									1.9	7.1
SE	.1	1.7	1.2	.4		.4						3.9	8.9
SSE	.1	1.5	1.9	5.8	2.8	.4						12.5	13.3
S	.7	4.6	6.3	5.8	.5	.3						17.7	9.5
SSW	.4	1.8	1.5	.3								4.0	6.4
SW	.1	2.6	1.5	.7								4.9	7.2
WSW		1.3	1.9	.4	.3							3.9	8.4
W	.5	1.6	3.2	1.1								6.5	7.9
WNW	.3	1.3	3.0	1.3	.4	.1	.1					6.6	10.0
NW	.4	2.1	2.8	2.3	.8		.1					8.5	9.9
NNW	.1	1.1	1.3	1.3	1.3	.3						5.5	11.8
VARBL													
CALM												4.6	
	4.0	25.1	30.9	25.4	7.7	1.7	.5					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 744

...AL CLIMATOLOGY BRANCH
...ETAC
A ...AT-PP SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
...14	...CKLY APT FARGO ND	73-80	OCT

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 0300-0900

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	1.1	2.3	4.6	.8	.7						9.9	12.1
NNE	.1	.5	.7	.7								2.3	9.2
NE	.1	1.2	.8	.1								2.3	6.5
ENE	.1	1.1	.8			.1						2.2	7.3
E	.3	.7	.7	.4								2.0	7.5
ESE	.1	.6	.8	.4								2.2	7.1
SE	.1	1.2	1.2	.8	.7							4.0	9.3
SSE	.1	1.2	4.2	5.2	2.2	.7						13.6	12.4
S	.4	4.1	5.6	4.6	.9	.1						15.7	9.4
SSW	.4	1.3	2.2									3.9	6.2
SW	.3	1.2	1.5	.8								4.4	7.5
WSW	.3	1.3	1.5	.5	.5	.1						4.3	9.1
W	.1	3.2	3.5	1.3								8.5	7.6
WNW	.4	1.1	2.3	1.9	.3							5.9	9.2
NW	.3	1.7	2.7	2.4	.5		.3					7.9	10.2
NNW	.1	1.2	1.2	1.6	1.1	.5	.1					5.9	12.6
VARBL													
CALM												5.4	
	3.3	24.2	31.6	25.4	7.3	2.3	.4					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 744

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

SURFACE WINDS

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

1 14 — STATION
HECTOR AFT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH
ALL WEATHER — CLASS
06 JC-78 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.[illegible]	1.9	3.8	.8	.7						9.5	11.5
NNE	.4	1.3	1.3	.5	.1							3.5	7.5
NE	.1	.[illegible]	1.6	.4								2.8	8.1
ENE	.3	.[illegible]	.1	.1								1.3	5.4
E	.1	.7	.1	.3								1.2	6.7
ESE		.5	.9	.4								1.9	8.4
SE		.[illegible]	1.7	.9	.5	.1						4.2	10.6
SSE	.1	1.3	4.0	5.8	2.3	.3						13.5	12.3
S	.[illegible]	3.9	6.3	6.0	.7	.1						17.7	9.6
SSW		.[illegible]	.9	.5								2.3	8.0
SW	.3	1.5	1.1	.1	.1							3.1	6.7
WSW	.5	2.2	.9	1.2	.7							5.5	8.9
W	.4	2.3	2.0	2.0	.3	.1	.1					7.3	9.4
WNW	.4	2.2	2.8	1.7	.4							7.5	9.0
NW	.1	1.1	2.6	1.5	.4	.1						5.8	10.0
NNW		.5	1.5	2.2	1.5	.7	.3					6.6	14.8
VARBL													
CALM												5.6	
	3.9	22.6	30.0	27.6	7.8	2.2	.4					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 744

L AL CLIMATOLOGY BRANCH
ITAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1- 14 (STATION) | HECTOR APT FARGO ND (STATION NAME) | 73-80 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.7	4.3	4.2	2.6	1.2						13.0	13.7
NNE		.5	1.2	1.2								3.0	10.3
NE	.1	.7	.9	.5								2.3	8.4
ENE		.4	.9	.3								1.6	8.7
E	.3	1.2	.8	.4								2.7	7.4
ESE		1.1	1.2	.5								2.8	8.3
SE		.9	1.2	.9	.3							3.2	10.0
SSE	.1	.3	1.1	4.6	1.9	1.2						9.1	15.2
S	.3	1.7	5.1	9.9	3.5	.1						20.7	12.6
SSW	.1	.5	1.1	1.5	.5	.1						3.9	11.9
SW	.1	.9	.8	.5	.1							2.6	8.6
WSW	.3	.4	.5	.9	.4							2.6	10.9
W	.4	1.2	2.4	1.7	.7	.1						6.6	10.1
WNW	.3	.9	1.7	3.1	1.6	.7	.1					8.5	13.4
NW	.3	.5	1.9	2.2	1.3	2.0						8.2	15.3
NNW	.1	.3	1.3	3.6	1.5	.4	.1					7.4	13.9
VARBL													
CALM												2.2	
	2.6	12.2	26.3	36.2	14.4	5.9	.3					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 744

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

L AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH
ALL WEATHER — CLASS
1200-1400 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.5	2.0	5.2	2.8	.8						11.1	14.6
NNE		.3	.7	2.3	.1							3.9	11.2
NE		.7	1.9	.8	.1							3.5	9.5
ENE		.7	.8	.3								1.7	7.8
E		.9	.5	.7	.1							2.3	8.1
ESE		.7	.4	.1								1.2	6.7
SE	.1	.7	.7	.9	.1	.1	.1					3.1	11.2
SSE	.1	.2	.9	3.8	1.9	.5	.1					7.9	15.1
S	.1	.5	3.2	6.0	4.4	.5						17.9	14.3
SSW		.5	1.1	1.9	1.6	.3						5.4	13.9
SW		.7	.7	.9	.8							3.1	12.6
WSW		.9	.8	1.9	.3							3.9	11.3
W	.1	.4	2.0	1.7	1.7	.3						6.3	12.9
WNW		.9	1.9	2.4	2.4	.8						8.5	13.9
NW	.3	.3	1.7	3.5	1.5	1.6	.1					9.0	15.4
NNW		1.5	1.7	2.6	1.6	1.9						9.3	14.5
VARBL													
CALM												1.2	
	.8	10.8	21.1	39.0	19.6	7.1	.4					100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 744

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

...AL CLIMATOLOGY BRANCH
...ETAC
AI... WEATHER SERVICE/MAC

SURFACE WINDS

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

1...14	HECTOR APT FARGO ND	73-80	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

1900-1700 — 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	.3	.7	3.8	6.6	2.3	.1	.4					14.2	13.1
NNE		1.1	1.1	1.1	.1							3.4	9.3
NE		.1	1.3	1.5	.1							3.1	10.9
ENE		.4	.5	1.2								2.2	10.2
E		.9	.7	.8	.4							2.8	10.7
ESE	.1	.9	.7									1.7	6.2
SE	.3	.5	.9	.9	.7							3.4	11.0
SSE		.9	1.5	2.6	2.2	.8						7.9	14.3
S	.1	.9	3.6	4.3	3.5	.5						13.0	13.4
SSW		.4	1.3	2.3	1.5	.3						5.8	13.2
SW	.3	1.7	1.5	2.4	.3							5.2	9.5
WSW	.1	.5	1.5	1.3	.3							3.6	10.6
W	.1	.5	.9	1.6	.8	.1	.1					4.6	12.4
WNW	.1	.5	.8	2.3	1.7	.8	.1	.1				6.6	15.6
NW		.7	2.2	4.3	1.5	.8						9.4	13.3
NNW		.9	1.7	3.8	2.8	.8						10.1	14.3
VARBL													
CALM												1.9	
	1.5	12.4	24.1	37.0	18.1	4.3	.7	.1				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 744

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

...AL CLIMATOLOGY BRANCH
...ETAC
... WEATHER SERVICE/MAC

SURFACE WINDS

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

1 1 · (STATION) | ...CTOR ART FARGO ND (STATION NAME) | 73-80 (YEARS) | OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.3	3.8	4.2	1.1	.4	.3	.1				12.1	11.7
NNE	.7	1.7	2.0	.9	.1							5.5	8.3
NE	.3	2.4	1.1	.8								4.6	7.3
ENE	.3	1.1	.8		.1							2.3	6.5
E	.1	1.5	.8	.3	.1							2.8	7.1
ESE	.1	1.7	1.1	.5	.1							3.6	7.8
SE	.1	1.7	3.5	1.2	.1							6.7	8.2
SSE		1.2	1.5	2.7	2.4	.5						8.3	13.3
S	.7	2.2	6.1	5.9	1.3	.3						16.4	10.6
SSW	.4	.5	1.9	.3	.3							3.4	8.2
SW		1.1	1.5	.1	.1							3.0	8.2
WSW		.9	.9	.1	.1							2.2	7.9
W	.4	1.7	2.3	1.3								5.5	8.4
WNW	.1	.4	2.6	2.0	.3	.3	.1					5.5	11.2
NW	.1	.9	3.1	1.6	.7	.4						6.7	11.0
NNW	.3	.5	2.0	2.6	.9	.1	.1					6.6	12.1
VARBL													
CALM												4.4	
	3.9	21.7	34.7	24.6	7.9	2.0	.5	.1				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 743

...AL CLIMATOLOGY BRANCH
...ETAC
... WEATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — ...LTOR APT FARGO ND — 73-80 — OCT

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — CLASS

...300-2300 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.9	2.8	4.0	1.1	.4	.3					11.4	11.4
NNE	.3	.7	1.3	1.1	.3							3.6	9.1
NE	.7	1.5	.5	.4								2.7	6.9
ENE		1.6	.9	.3								2.8	6.4
E	.1	1.2	.9	.1								2.4	6.7
ESE		1.3	1.3	.4								3.1	7.3
SE	.1	1.9	1.5	2.0	.4	.1						6.2	9.6
SSE	.5	.9	2.4	5.6	2.2	.4						12.1	12.6
S	.1	3.1	7.3	5.1	1.3	.1						17.1	10.2
SSW	.5	1.7	2.2	1.2								5.6	8.0
SW	.1	1.2	1.3	.3								3.0	6.9
WSW		.7	1.2	.8								2.3	9.5
W	.1	2.0	2.7	1.6	.4			.1				7.0	9.6
WNW	.3	.9	1.3	1.2	.1	.1	.3					4.3	10.7
NW	.7	.3	1.9	1.6	1.1	.1						5.2	12.1
NNW	.3	1.5	2.7	2.3	.5	.3	.3					7.8	10.9
VARBL													
CALM												3.5	
	3.1	23.0	32.4	29.1	7.4	1.6	.8	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14	HECTOR AFT FARGO ND	73-80	OCT
STATION	STATION NAME	YEARS	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	.3	1.4	2.7	4.7	1.6	.6	.2	.0				11.5	12.6
NNE	.2	.5	1.1	1.1	.1							3.4	9.0
NE	.1	1.0	1.1	.6	.0							2.9	8.2
ENE	.1	.9	.8	.3	.0	.0						2.1	7.4
E	.2	1.0	.8	.4	.1							2.5	7.6
ESE	.1	1.0	.9	.3	.0							2.3	7.4
SE	.1	1.2	1.5	1.0	.4	.1	.0					4.3	9.7
SSE	.2	1.7	2.2	4.5	2.2	.6	.0					11.7	13.3
S	.3	2.6	5.4	6.3	2.1	.3						17.0	11.2
SSW	.2	1.0	1.5	1.0	.5	.1						4.3	9.9
SW	.2	1.4	1.2	.7	.2							3.9	8.3
WSW	.3	1.0	1.2	.9	.3	.1						3.5	9.6
W	.3	1.7	2.4	1.6	.5	.1	.0	.0				6.5	9.6
WNW	.3	1.7	2.1	2.0	.9	.4	.1	.0				6.7	11.8
NW	.2	.9	2.4	2.4	1.0	.6	.1					7.6	12.3
NNW	.1	.9	1.7	2.5	1.4	.6	.1					7.4	13.2
VARBL													
CALM												3.6	
	2.9	19.0	28.9	30.4	11.2	3.4	.5	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 5951

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

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 (STATION) | ...CTOR APT FARGO ND (STATION NAME) | 73-80 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 0000-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	3.2	2.9	4.9	1.8	.7	.1					13.9	11.4
NNE	.1	1.2	.8	.4	.6	.1						3.3	9.6
NE	.1	.9	.6	.4								1.9	7.9
ENE	.1	1.1	.3	.4								1.9	7.1
E	.1	1.3	.3	.1	.1							2.5	6.2
ESE	.1	.6	.8	.4								1.9	7.5
SE	.1	.3	1.0	.8								2.2	9.7
SSE	.4	.7	2.5	4.9	1.2	.3						10.0	11.7
S	.7	3.2	7.9	5.7	.3	.1						17.5	9.6
SSW	.1	3.3	2.1	.3								5.8	6.2
SW	.3	1.5	1.9									4.0	6.6
WSW	.1	.8	1.2	.4								2.6	7.5
W	.1	2.5	1.5	2.1	.3							6.5	9.1
WNW		.7	1.2	1.9	.6	.3	.3					5.0	13.4
NW	.6	1.2	2.8	2.2	1.0							7.8	10.1
NNW		1.1	1.5	2.4	1.1	.7	.4					7.2	13.9
VARBL													
CALM												5.7	
	3.1	24.4	29.4	27.4	6.9	2.2	.8					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 720

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

AL CLIMATOLOGY BRANCH
ETAC
CATION SERVICE/MAC

SURFACE WINDS

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

1 14 (STATION) — HECTOR APT FARGO ND (STATION NAME) — 73-80 (YEARS) — NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.5	3.2	5.3	1.7	.4	.4					13.7	12.0
NNE	.3	.4	1.7	.7	.4	.1						3.6	10.3
NE	.4	1.9	.6									2.9	5.0
ENE		1.2	.8	.1	.1							2.4	7.6
E	.1	.7	.1	.6								1.5	8.4
ESE		.3	.4	.1								1.4	6.8
SE	.3	1.3	1.0	.6	.1							2.9	7.9
SSE	.1	1.2	2.2	4.6	1.2	.3						9.7	11.9
S	.3	3.3	8.2	6.8		.1						18.7	9.5
SSW	.4	2.2	2.4	.3								5.3	6.9
SW	.3	.8	1.0									2.1	6.6
WSW	.3	1.2	1.8	.3								3.6	7.1
W	.7	2.2	2.9	2.8	.3							8.9	9.0
WNW	.1	.7	1.8	2.2	.4							5.3	10.6
NW	.1	1.1	2.1	1.5	1.0	1.0						6.8	12.5
NNW		.7	1.9	2.1	.7	.4						5.8	12.3
VARBL													
CALM												6.1	
	3.9	21.2	32.1	27.9	6.0	2.4	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 720

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 ...14	HECTOR APT FARGO ND	73-80	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

0600-0900
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	.4	1.7	4.3	5.3	2.4	.4	.4					14.9	12.5
NNE	.1	1.1	1.4	.8	.7							4.2	10.5
NE	.1	.6	.6	.1								1.4	6.7
ENE	.1	.4	.3									.8	6.2
E		.7	1.4	.3								2.4	7.4
ESE		.1	.4	.3								.8	9.3
SE		.4	1.1	1.1								3.1	9.2
SSE	.1	1.5	2.2	4.4	1.0	.1						9.4	11.6
S	.7	3.6	6.9	6.1	.1							17.5	9.2
SSW	.1	2.1	1.8	.7								4.7	7.3
SW	.4	1.1	1.0	.7	.1							3.3	7.7
WSW	.1	1.3	1.9	.7	.1							4.7	7.8
W	.1	1.0	4.2	1.9								7.2	8.6
WNW	.3	1.0	2.5	1.8	.4							6.3	9.8
NW	.3	1.9	1.2	2.1	1.4	.7						7.5	12.2
NNW		1.3	1.8	2.8	.7	.3						6.5	12.1
VARBL													
CALM												4.4	
	3.1	21.4	33.1	29.2	6.9	1.5	.4					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 723

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1... 14	...ECTOR APT FARGO ND	73-80	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

0900-1100
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	.4	1.4	3.1	6.9	3.3	1.2	.4	.3				17.1	14.2
NNE	.1	.6	.6	1.1	.3	.1						2.8	11.1
NE	.3	.3	1.1		.1							1.9	8.3
ENE			1.3	.4								1.4	9.3
E	.1	.3	.4	.4								1.2	8.3
ESE		.1	.3	.6								1.2	9.3
SE		.4	1.4									1.8	8.3
SSE		1.3	2.1	4.6	1.5							9.3	12.4
S		1.3	5.4	7.1	1.3	.3						15.7	11.7
SSW		1.3	1.9	1.4								4.3	9.3
SW		1.3	2.2	1.0								4.7	8.3
WSW	.1	1.4	1.5	.7	.1							3.9	8.3
W	.3	1.1	1.9	2.2	1.0	.1						6.7	10.9
WNW	.4	1.1	1.8	3.3	1.3	.4						8.1	11.3
NW		.7	2.5	2.8	1.3	.6	.3					8.6	14.1
NNW		1.3	3.3	2.9	2.1	.1						9.4	12.3
VARBL													
CALM												2.1	
	1.8	12.8	31.2	35.4	12.8	2.9	.7	.3				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 720

1 [illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
[illegible] VICTOR AFT FARGO ND — STATION NAME
73-80 — YEARS
NOV — MONTH
ALL WEATHER — CLASS
1200-1400 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.[illegible]	4.7	6.1	2.6	2.2	.1	.3				17.[illegible]	14.1
NNE	.1	.[illegible]	1.5	1.0	.6							[illegible].7	10.7
NE	.1	.[illegible]	1.1	.3								1.[illegible]	[illegible].[illegible]
ENE			.3	.4								.7	11.4
E			.4	.4								.[illegible]	10.[illegible]
ESE		.1	.3	.4								.[illegible]	10.[illegible]
SE		.1	.4	1.2								[illegible].[illegible]	11.[illegible]
SSE		.[illegible]	1.5	[illegible].3	2.4	.7	.1					[illegible].3	15.1
S	.1	1.1	4.[illegible]	4.3	1.0	.6						11.1	11.7
SSW	.[illegible]	.6	1.8	[illegible].9	.4							[illegible].[illegible]	10.[illegible]
SW	.[illegible]	1.1	3.1	1.4	.3							[illegible].1	[illegible].[illegible]
WSW		.[illegible]	1.4	.6								[illegible].[illegible]	[illegible].[illegible]
W	.1	.7	[illegible].6	3.2	.4	.1						7.[illegible]	11.[illegible]
WNW		1.1	2.1	3.5	1.0	.8	.7					[illegible].[illegible]	13.[illegible]
NW	.1	1.[illegible]	1.4	2.6	2.2	1.4	.1					[illegible].9	14.7
NNW		.[illegible]	2.9	4.9	2.5	.7	.3					11.[illegible]	14.[illegible]
VARBL													
CALM												1.4	
	1.4	9.6	29.6	36.5	13.3	6.5	1.4	.3				[illegible].[illegible]	12.[illegible]

TOTAL NUMBER OF OBSERVATIONS 72[illegible]

L ... CLIMATOLOGY BRANCH
...ETAC
... STATES SERVICE/MAC

SURFACE WINDS

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

1 I... HECTOR APT FARGO ND — STATION / STATION NAME
73-80 — YEARS
NOV — MONTH
ALL WEATHER — CLASS
1500-1700 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.5	4.3	7.6	1.9	2.4		.4				1...2	13.8
NNE	.1	.7	2.1	1.7	.4	.1						...1	10.6
NE	.1	.1	2.2									2.3	7.5
ENE	.1	.1	.1	.3	.3							1.0	11.5
E	.1	.1		.1								.4	6.7
ESE			.6	.7								1.2	10.9
SE		.3	1.7	1.5	.1							3.6	10.2
SSE		.6	1.8	3.1	1.2	.9						7.5	13.9
S	.1	1.3	4.4	2.9	.8	.8						1...7	11.1
SSW		1.2	2.4	1.8	.1							...3	9.9
SW	.3	1.5	.8	1.1								3.7	7.3
WSW	.2	1.2	1.4	.8								3.5	7.9
W	.1	1.5	3.3	.8	.4							6.2	9.3
WNW	.1	1.5	1.9	1.9	1.5	.1	.3					7.5	12.4
NW		.4	1.7	5.3	1.4	.4	.1	.5				9.6	14.1
NNW	.4	1.2	2.5	4.7	1.5	.4	.1					11.0	12.4
VARBL													
CALM												2.8	
	...2	13.2	31.2	34.4	9.9	5.1	.6	.7				1...0	11.4

TOTAL NUMBER OF OBSERVATIONS 72...

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

AL CLIMATOLOGY BRANCH
TAC
EAT SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	HECTOR APT FARGO ND	73-80	NOV

ALL WEATHER
CLASS

[illegible]
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.5	3.7	5.1	2.4	.6	.6	.1				15.7	12.7
NNE	.1	1.7	1.9	1.7	.3							5.7	9.1
NE		1.4	1.2	.1								2.7	6.5
ENE	.3	.5	.4		.3	.1						1.7	9.4
E				.3								.3	13.5
ESE	.3	.4	1.0	.1								1.8	7.3
SE	.1	.3	2.8	1.0	.1							4.9	9.3
SSE		.4	2.5	2.9	1.4	.6						7.1	13.1
S	.3	3.6	6.7	3.9	1.4							15.9	9.6
SSW	.7	1.0	2.2	.1								3.9	7.3
SW	.7	1.7	1.4	.1								3.9	6.[illegible]
WSW	.7	.4	1.5	.6								3.2	7.2
W	.1	2.5	3.6	.8	.3							7.5	7.8
WNW	.1	1.5	3.3	1.8	1.0	.1						7.9	10.2
NW	.4	1.4	.8	1.8	.4	.1		.4				5.4	12.2
NNW		.5	2.2	2.6	.7	.3		.1				6.5	12.6
VARBL													
CALM												4.3	
	4.3	29.7	35.7	24.0	8.2	1.8	.6	.7				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 720

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

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] SERVICE/MAC

SURFACE WINDS

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

[illegible] 14	[illegible]TOR APT FARGO ND	73-83	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

[illegible]00-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.1	4.9	4.7	1.5	1.0	.1					13.[illegible]	12.1
NNE	.[illegible]	.[illegible]	1.[illegible]	1.[illegible]	.7							[illegible].2	10.3
NE		1.[illegible]	1.1	.1								2.[illegible]	6.[illegible]
ENE	.1	.[illegible]	.[illegible]	.1								1.1	7.1
E		1.1	.7	.1	.1							2.1	7.[illegible]
ESE	.[illegible]	.4	1.[illegible]	.3								1.[illegible]	7.1
SE		1.[illegible]	2.1	1.8		.1						[illegible].[illegible]	9.7
SSE	.1	.4	1.4	3.2	1.3	.3						[illegible].7	13.[illegible]
S	.7	2.[illegible]	[illegible].5	5.6	.8							1[illegible].5	9.4
SSW	.4	2.4	3.1	.4								[illegible].3	6.[illegible]
SW		1.[illegible]	1.7									2.6	6.7
WSW		1.5	1.4	.4								[illegible].3	7.[illegible]
W	.[illegible]	2.[illegible]	1.7	2.1	.1							7.2	8.2
WNW	.1	.[illegible]	3.3	2.2	.8							7.4	10.[illegible]
NW		1.[illegible]	2.1	1.5	.8		.1	.3				[illegible].[illegible]	11.6
NNW	.1	.6	1.3	1.8	1.0		.4					5.1	13.1
VARBL													
CALM												5.1	
	3.2	20.7	35.9	25.5	7.2	1.4	.7	.3				[illegible]0.0	9.5

TOTAL NUMBER OF OBSERVATIONS 71[illegible]

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

AL CLIMATOLOGY BRANCH
TAC
SAT WEA SE VICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR AFT FARGO ND — STATION NAME
73-80 — YEARS
NOV — 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	.4	1.9	3.9	5.9	2.2	1.1	.3	.1				15.9	13.3
NNE	.2	.9	1.4	1.0	.5	.1						4.1	10.2
NE	.2	.7	1.1	.1	.0							2.1	7.1
ENE	.1	.5	.4	.2	.1	.0						1.4	8.4
E	.1	.5	.4	.3	.0							1.4	7.8
ESE	.1	.3	.6	.4								1.4	8.2
SE	.1	.6	1.4	1.0	.1	.0						3.2	9.5
SSE	.1	.3	2.1	3.9	1.4	.4	.0					7.6	12.9
S	.3	2.5	6.6	5.3	.7	.2						15.7	10.1
SSW	.2	1.7	2.2	1.0	.1							5.2	6.3
SW	.3	1.3	1.6	.5	.1							3.8	7.5
WSW	.2	1.1	1.5	.6	.0							3.4	7.7
W	.3	1.9	2.7	2.0	.3	.0						7.3	9.2
WNW	.2	1.1	2.3	2.3	.8	.2	.2					7.3	11.7
NW	.2	1.2	1.8	2.5	1.3	.5	.1	.1				7.7	12.6
NNW	.1	.9	2.2	3.0	1.3	.4	.2	.0				7.9	12.9
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	4.3	
	2.8	18.2	32.3	30.0	8.9	3.0	.7	.3				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 9759

AL CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

14	HECTOR APT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0000-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.5	4.3	5.1	1.6	.7						13.4	11.9
NNE	.4	.4	1.9	.9	.4							4.0	9.2
NE	.5	.9	.7									2.2	5.5
ENE	.9	1.3	.5	.1								2.8	5.3
E	.3	.5	.7	.4								2.2	7.1
ESE	.4	.9	.3	.3								1.7	5.9
SE	.5	1.1	.7	1.3	.1							3.5	8.9
SSE		.3	2.5	4.7	3.0	.5						10.5	14.5
S	.1	3.2	6.6	5.8	.9							13.7	9.6
SSW	.3	1.6	1.9	.5								4.3	7.8
SW	.3	2.2	.5	.9	.3							4.2	8.0
WSW	.3	.5	1.1	.7								2.8	7.9
W	.1	2.6	.7	.7	.5	.4	.1					5.1	10.2
WNW	.5	.7	1.7	.4	.1							3.6	7.7
NW		.5	1.5	2.4	1.3	.5						6.6	10.5
NNW	.3	.5	1.6	2.7	1.5	.3						7.1	12.6
VARBL													
CALM												6.9	
	5.1	22.0	26.6	27.0	9.8	2.4	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOLOGY BRANCH
TAC
ATHER SERVICE/MAC

SURFACE WINDS

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

1 1 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.?	1.6	3.4	5.1	2.7	.1						13.4	12.1
NNE	.?	1.2	2.4	.7	.3							4.8	8.5
NE	.?	1.?	.3	.3								2.2	5.9
ENE	.1	.?	.?	.3								1.9	7.8
E	.?	.3	.8									1.3	6.6
ESE	.?	.3	.7	.4								1.6	7.8
SE	.1	1.?	.8	1.9	.1							4.4	9.2
SSE	.?	1.1	1.6	4.7	2.0	.4						13.1	13.2
S	.?	4.3	7.7	4.5	.3							19.0	9.3
SSW	.1	1.?	2.4	.3								4.6	7.3
SW	.1	.?	.5	.5	.1							2.3	8.4
WSW		1.?	1.3	.4								3.4	7.3
W	.?	1.2	1.5	.9								4.2	7.2
WNW	.?	1.5	1.6	1.9	.5	.1						5.9	10.2
NW		1.2	1.3	2.0	1.3	.3						6.2	12.3
NNW	.3	.4	1.2	3.2	.9	.5	.3					6.9	14.0
VARBL													
CALM												7.9	
	3.5	20.7	28.8	29.0	8.3	1.5	.3					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

1 - 14	HECTOR APT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

0630-1800
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	1.2	4.5	5.5	1.7	1.6	.1					14.5	13.1
NNE		.6	1.3	.7	.3	.1						3.4	10.5
NE	.7	.7	1.2	.1								2.3	6.5
ENE		.7	1.2	.1								1.0	8.3
E	.1		1.1	.5								1.7	9.5
ESE	.3	.7	.3	.5								1.7	7.5
SE	.3	.3	1.2	1.3	.4							4.5	9.9
SSE	.7	1.1	1.9	4.7	2.3	.1						10.3	12.9
S	.7	4.7	6.7	6.2	.7							19.3	9.2
SSW	.3	1.7	1.5	.4								3.9	7.1
SW	.7	1.6	.9	.9								4.2	7.4
WSW	.5	1.2	.4	.3								2.4	6.1
W	.9	1.1	2.3	.7								5.1	7.6
WNW	.1	1.3	1.9	1.3		.5						5.2	10.5
NW	.1	1.1	1.9	1.6	.7	.8						6.2	12.6
NNW	.1	.7	1.7	2.4	1.7	.1		.3				7.1	13.4
VARBL													
CALM												7.3	
	4.6	19.1	30.1	27.4	7.8	3.4	.1	.3				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOLOGY BRANCH
STAC
SAT ... SERVICE/MAC

SURFACE WINDS

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

14 (STATION) | HECTOR APT FARGO ND (STATION NAME) | 73-80 (YEARS) | DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.6	3.9	4.6	2.4	1.5	.4					14.4	13.5
NNE	.5	.5	1.7	.8								3.4	6.4
NE	.1	.4	.7	.3								1.5	7.8
ENE	.1	.4	1.3	.3								2.2	7.7
E		.7	.8	.1								1.5	7.7
ESE	.1	.7	.3	.9								2.0	9.3
SE	.1	.9	1.2	.8	.3							3.4	9.4
SSE	.1	1.6	1.5	4.4	2.3	.8						10.8	13.3
S	.3	4.0	5.4	6.3	2.3	.1						18.4	10.7
SSW	.7	1.3	1.7	1.2								4.6	8.1
SW	.1	1.3	1.3	.4								3.2	7.5
WSW	.1	.8	1.5	.4								2.8	8.1
W	.3	2.6	1.9	2.0	.3							7.0	8.5
WNW		.4	1.2	2.3	.8	.1						4.8	13.0
NW	.4	1.2	1.6	2.3	.8	.1	.1					6.6	11.6
NNW		1.1	2.3	2.8	.8	1.1	.3					8.3	13.5
VARBL													
CALM												5.1	
	2.4	19.6	28.4	30.0	9.9	3.8	.8					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 744

L AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

1- 14 | HECTOR APT FARGO ND | 73-80 | DEC
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 1200-1400
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	.3	2.6	2.8	5.2	3.8	1.5	.3					15.7	14.1
NNE		.8	1.5	1.6								3.9	9.8
NE		.4	.5									.9	6.7
ENE		.5	.4	.4								1.3	8.3
E		.5	.8	.4								1.7	8.5
ESE	.1	.7	.9	.8								2.6	8.9
SE	.1	.7	1.2	1.2	.1							3.4	9.3
SSE		.9	2.0	3.4	1.1	.8						8.2	13.4
S	.4	1.3	4.3	9.3	2.0	.7						18.0	12.6
SSW	.3	1.2	1.7	1.5	.1							4.8	9.0
SW		1.6	.9	.4								3.0	7.4
WSW		.3	1.6	.4								2.8	8.5
W		.8	2.6	2.3	.4							6.0	10.7
WNW	.1	.4	1.6	2.7	1.2	.4						6.5	13.1
NW	.1	1.2	1.2	3.0	1.7	.3	.1					7.7	13.3
NNW		1.5	2.3	3.0	1.6	1.1	.1					9.5	13.4
VARBL													
CALM												3.9	
	1.5	16.0	25.7	35.5	12.1	4.8	.5					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
USAF
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
DEC — MONTH
ALL WEATHER — CLASS
1500-1700 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.9	3.1	4.7	4.0	2.0						16.9	13.3
NNE		1.1	1.7	1.6	.4							4.8	10.3
NE		.7	.1	.4								1.2	6.4
ENE	.1	1.2	.7	.3								2.3	6.3
E	.3	.7	1.6	.3								2.8	7.6
ESE	.1	.6	.5									1.6	6.8
SE	.1	1.1	1.6	.7	.3	.1	.1					4.0	10.0
SSE		.7	1.9	3.2	1.6	.9	.1					8.5	14.0
S		2.3	5.6	7.4	1.2	.4						16.9	11.4
SSW	.3	.9	2.0	1.1								4.2	8.6
SW	.4	1.1	1.3	.1								3.0	6.6
WSW	.3	1.1	1.1	.4								2.6	7.3
W	.3	1.2	2.7	.3	.4	.4						5.3	9.8
WNW		.7	2.6	2.4	1.1							6.3	12.3
NW	.1	1.2	2.2	2.3	.3	.3						6.3	10.6
NNW	.3	.7	2.7	3.2	.5	1.2						8.6	12.8
VARBL													
CALM												4.4	
	2.6	17.7	31.5	28.4	9.8	5.4	.3					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 744

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14	...ECTOR AFT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.4	3.1	5.4	3.5	1.2						16.?	12.4
NNE	.?	1.2	.5	1.6	.1							3.5	9.5
NE	.1	.5	.4	.8								1.9	9.4
ENE	.1	1.1	.?	.4								2.4	6.9
E		.8	1.9									2.7	7.7
ESE	.1	1.2	.3	.1								1.7	5.6
SE	.?	1.2	.7	1.3								3.5	8.8
SSE	.1	.?	1.9	4.4	1.5	1.3	.4					10.6	14.4
S	.?	3.4	3.8	6.7	1.2	.4						16.1	10.9
SSW	.1	1.2	1.9	.1	.1							3.5	7.6
SW	.3	1.6	1.2	1.2	.1							4.4	8.1
WSW	.4	1.9	.7	.4	.3							3.5	7.5
W	.3	2.2	2.0	.5	.4	.4	.4					6.2	10.2
WNW	.1	.?	1.9	1.3	.1							4.4	9.7
NW		.9	1.3	1.7	.5	.1						4.7	10.9
NNW	.1	1.2	2.2	.8	.9	.7	.1					6.0	12.1
VARBL													
CALM												7.4	
	3.5	23.7	24.5	27.0	8.9	4.2	.9					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 744

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

SURFACE WINDS

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

1 14 — STATION
...ECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
1 — MONTH
DEC

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.2	2.8	5.9	2.4	1.2						14.0	13.4
NNE	.1	1.5	1.5	1.2								4.3	8.3
NE	.1	.7	.5	.3								1.6	7.3
ENE	.3	1.6	.5	.4								2.8	6.6
E	.3	1.2	.8	.3								2.6	6.7
ESE	.1	.9	.3	.3								1.6	6.6
SE	.1	.7	.7	.9								2.4	8.3
SSE	.4	1.3	2.3	3.8	2.3	.8						10.9	13.3
S	.4	3.1	6.0	6.6	2.0	.4						18.4	11.0
SSW	.3	1.3	1.7	.7								4.0	7.4
SW	.5	1.9	.9	.5	.1							4.0	7.0
WSW	.3	2.0	1.3	.7	.3							4.6	7.9
W	.4	2.2	2.2		.5	.5						5.8	9.3
WNW	.1	1.9	2.0	1.1	.3	.1						5.5	9.2
NW	.3	.9	.9	1.9	.8	.3						5.1	12.2
NNW	.5	1.1	.4	1.9	2.0	.5						6.5	13.5
VARBL													
CALM												5.9	
	4.7	23.4	25.0	26.3	10.8	3.9						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 744

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

AL CLIMATOLOGY BRANCH
.TAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 14	HECTOR APT FARGO ND	73-83	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.3	3.4	5.2	2.8	1.2	.1					14.9	13.3
NNE	.8	1.3	1.6	1.1	.7	.2						4.5	9.2
NE	.2	.7	.6	.3								1.7	7.2
ENE	.2	.5	.8	.3								1.8	8.2
E	.2	.5	1.1	.3								2.1	7.8
ESE	.2	.3	.4	.4								1.3	7.4
SE	.2	1.0	1.0	1.2	.2	.0	.0					3.6	9.3
SSE	.2	1.2	1.9	4.2	2.0	.7	.1					10.3	13.6
S	.4	3.5	5.8	6.8	1.3	.3						18.1	10.6
SSW	.2	1.4	1.9	.7	.0							4.2	7.8
SW	.2	1.5	1.0	.6	.1							3.5	7.5
WSW	.2	1.3	1.1	.5	.1							3.2	7.6
W	.3	1.7	2.0	.9	.3	.2	.1					5.6	9.3
WNW	.2	1.0	1.8	1.7	.5	.2						5.3	10.9
NW	.1	1.1	1.5	2.2	.9	.3	.0					6.2	12.1
NNW	.2	.9	1.8	2.5	1.3	.7	.1	.0				7.5	13.2
VARBL													
CALM												0.1	
	3.7	20.3	27.6	28.8	9.7	3.7	.4	.0				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 5952

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

SURFACE WINDS

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

1 ,14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-81 — YEARS
ALL — MONTHS
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	.3	2.?	3.5	4.6	2.0	.9	.1	.0				13.5	12.?
NNE	.2	1.1	1.6	1.3	.3	.1	.0					4.5	9.7
NE	.2	.9	1.1	.6	.1	.0	.0					2.9	8.3
ENE	.2	1.0	.8	.3	.0	.0	.0					2.4	7.3
E	.2	1.1	1.1	.5	.1	.0						3.0	8.1
ESE	.2	1.1	1.1	.7	.1	.0						3.2	9.4
SE	.2	1.2	2.0	2.1	.4	.1	.0					6.0	10.3
SSE	.1	.9	2.3	4.4	1.6	.5	.0					10.0	13.0
S	.3	2.6	5.1	5.4	1.3	.3	.0					15.1	10.7
SSW	.2	1.2	1.5	.9	.2	.0	.0					4.0	8.9
SW	.2	1.2	1.1	.6	.1	.0						3.2	8.7
WSW	.2	.9	1.2	.6	.1	.0	.0					3.0	8.6
W	.3	1.5	2.0	1.3	.4	.1	.0	.0				5.7	9.4
WNW	.2	1.1	1.8	1.6	.6	.2	.1	.0				5.5	10.9
NW	.2	1.1	1.7	1.9	.8	.3	.0	.0				6.1	11.7
NNW	.2	1.1	1.9	2.5	1.1	.4	.1	.0				7.4	12.3
VARBL													
CALM												4.4	
	3.3	20.0	29.9	29.6	9.3	3.0	.4	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 77112

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

AL CLIMATOLOGY BRANCH
TAC
SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] APT FARGO ND	73-81	ALL

INSTRUMENT — CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE — 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	.3	2.1	4.3	7.7	5.9	3.2	.4	.0				23.7	14.3
NNE	.1	.5	2.5	2.2	.9	.3	.0					6.9	11.5
NE	.2	.3	1.3	.8	.2							2.5	9.6
ENE	.1	.3	.9	.7	.1							2.5	8.7
E	.1	.2	1.6	1.1	.2							3.3	9.5
ESE	.1	.2	1.3	1.1	.3	.1						3.6	9.7
SE	.1	1.2	2.2	2.3	.5	.1						6.3	10.5
SSE	.1	.9	2.0	4.3	1.9	.5	.0					9.6	13.3
S	.2	1.5	3.0	3.3	.5	.2						8.8	10.5
SSW	.1	.7	.4	.3	.0	.0						1.5	8.1
SW	.1	.4	.5	.2	.0	.1						1.3	8.4
WSW	.1	.3	.3	.3	.0	.0						1.3	8.5
W	.1	.7	.8	1.0	.2	.0	.0					2.9	10.4
WNW	.1	.4	.9	.9	.4	.2	.1	.1				3.3	12.4
NW	.1	.3	1.4	1.7	1.4	.8	.1	.0				6.3	14.2
NNW	.2	.4	1.8	3.6	2.9	1.4	.3	.0				11.1	15.0
VARBL													
CALM												3.6	
	2.2	14.3	25.0	31.5	15.4	6.7	1.1	.1				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 7199

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

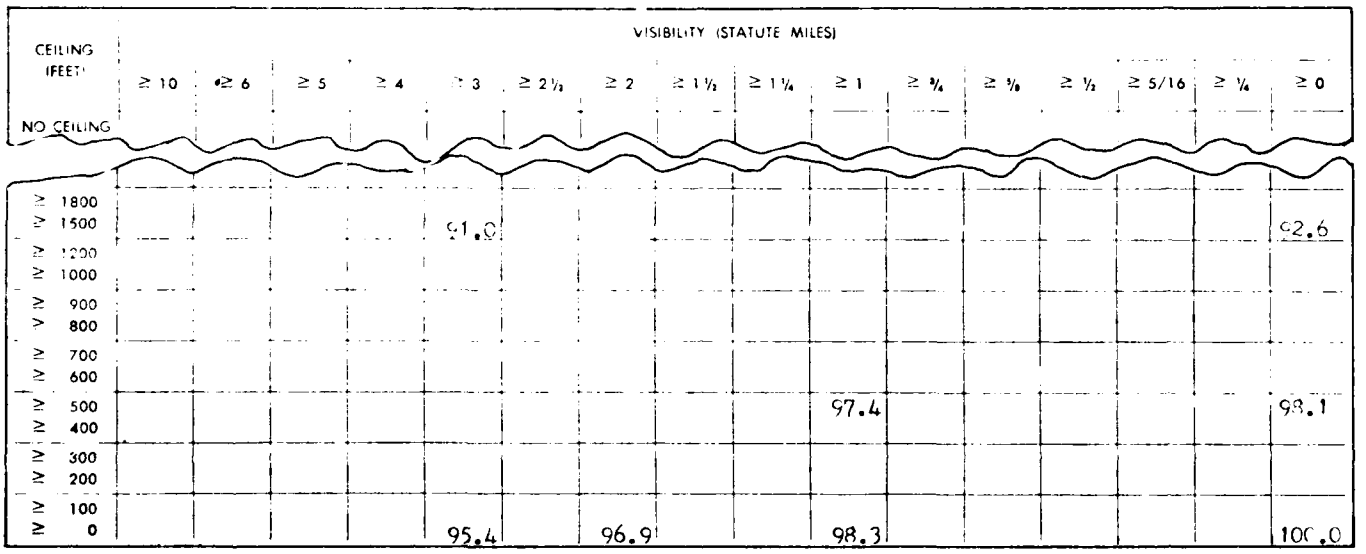
D

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



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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 — STATION
...CTOR APT FARGO ND — STATION NAME
74-81 — YEARS
JAN — MONTH
0000-2300 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.4	49.6	50.8	51.6	52.0	52.4	52.4	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.7	52.8
≥ 20000	50.7	51.9	53.1	54.0	54.4	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.1	55.2
≥ 18000	50.7	51.9	53.1	54.0	54.4	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.1	55.2
≥ 16000	50.7	51.9	53.1	54.0	54.4	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.1	55.2
≥ 14000	51.2	52.6	53.8	54.7	55.1	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.8	55.9
≥ 12000	51.9	53.2	54.4	55.4	55.8	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.5	56.6
≥ 10000	54.2	55.6	56.9	57.8	58.2	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.9	59.0
≥ 9000	55.2	56.7	57.9	58.9	59.3	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9	60.1
≥ 8000	56.3	57.8	59.0	59.9	60.3	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	61.0	61.2
≥ 7000	58.1	59.8	61.0	62.1	62.5	62.9	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.3	63.4
≥ 6000	58.7	60.8	62.5	63.7	64.1	64.5	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	65.1	65.2
≥ 5000	59.3	61.4	63.3	64.8	65.2	65.6	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.1	66.3
≥ 4500	60.2	62.9	64.8	66.4	66.9	67.3	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.9	68.0
≥ 4000	61.1	63.8	65.9	67.9	68.5	69.0	69.1	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.6	69.8
≥ 3500	61.6	64.5	66.7	68.8	69.5	69.9	70.0	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.6	70.7
≥ 3000	63.2	66.4	69.0	71.1	71.8	72.2	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	73.0	73.1
≥ 2500	65.6	69.5	72.6	74.9	75.5	75.9	76.5	76.5	76.5	76.9	76.9	76.9	76.9	76.9	77.2	77.3
≥ 2000	67.3	71.5	74.7	77.3	78.1	78.8	79.4	79.4	79.4	79.8	80.0	80.0	80.0	80.0	80.2	80.4
≥ 1800	68.1	72.4	75.9	78.6	79.4	80.4	81.3	81.3	81.3	81.7	81.9	81.9	81.9	81.9	82.1	82.3
≥ 1500	69.9	74.5	78.1	81.2	82.1	83.1	84.0	84.0	84.0	84.4	84.5	84.5	84.5	84.5	84.8	84.9
≥ 1200	71.5	76.6	80.4	83.7	84.8	85.8	86.8	86.8	86.8	87.4	87.5	87.5	87.5	87.5	87.8	87.9
≥ 1000	72.0	77.7	81.6	85.2	86.4	87.5	88.6	88.6	88.6	89.1	89.2	89.2	89.2	89.2	89.5	89.7
≥ 900	72.3	78.2	82.1	85.9	87.1	88.2	89.4	89.4	89.4	90.1	90.2	90.2	90.2	90.2	90.5	90.6
≥ 800	72.3	78.2	82.1	85.9	87.4	88.4	89.7	89.7	89.7	90.3	90.5	90.5	90.6	90.6	90.9	91.0
≥ 700	72.8	78.8	82.7	86.4	87.9	89.0	90.3	90.6	90.6	91.3	91.4	91.4	91.5	91.5	91.8	91.9
≥ 600	73.4	79.6	83.5	87.2	88.7	89.8	91.1	91.4	91.7	92.3	92.7	92.7	92.9	93.1	93.4	93.5
≥ 500	73.4	79.6	83.7	87.5	89.1	90.2	91.7	91.9	92.2	93.0	93.5	93.5	93.7	94.0	94.4	94.5
≥ 400	73.7	80.0	84.3	88.2	90.1	91.1	92.6	92.9	93.1	94.0	94.6	94.6	95.2	95.4	95.8	96.0
≥ 300	73.7	80.0	84.3	88.4	90.3	91.4	92.9	93.3	93.5	94.4	95.0	95.0	95.6	95.8	96.4	96.5
≥ 200	73.7	80.0	84.3	88.7	90.6	91.7	93.1	93.8	94.1	95.0	95.7	95.7	96.2	96.5	97.0	97.2
≥ 100	73.7	80.0	84.3	88.7	90.6	91.7	93.1	93.8	94.1	95.0	95.7	95.8	96.8	97.2	97.7	98.4
≥ 0	73.7	80.0	84.3	88.7	90.6	91.7	93.1	93.8	94.1	95.0	95.7	95.8	96.9	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	74-81	JA.
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	45.2	46.8	47.4	48.3	48.3	48.3	48.4	49.1	49.1	49.6	49.6	49.6	49.6	49.7	50.4	50.5
≥ 20000	47.6	49.2	49.9	50.8	50.8	50.8	50.9	51.6	51.6	52.2	52.2	52.2	52.2	52.3	53.0	53.1
≥ 18000	47.6	49.2	49.9	50.8	50.8	50.8	50.9	51.6	51.6	52.2	52.2	52.2	52.2	52.3	53.0	53.1
≥ 16000	47.6	49.2	49.9	50.8	50.8	50.8	50.9	51.6	51.6	52.2	52.2	52.2	52.2	52.3	53.0	53.1
≥ 14000	48.7	50.3	50.9	51.9	51.9	51.9	52.0	52.7	52.7	53.2	53.2	53.2	53.2	53.4	54.0	54.2
≥ 12000	49.6	51.2	51.9	52.8	52.8	52.8	53.0	53.6	53.6	54.2	54.2	54.2	54.2	54.3	55.0	55.1
≥ 10000	51.6	53.5	54.2	55.1	55.1	55.1	55.2	55.9	55.9	56.5	56.5	56.5	56.5	56.6	57.3	57.4
≥ 9000	53.1	55.0	55.6	56.6	56.6	56.6	56.7	57.4	57.4	57.9	57.9	57.9	57.9	58.1	58.7	58.9
≥ 8000	53.4	55.4	56.0	57.0	57.0	57.0	57.1	57.8	57.8	58.3	58.3	58.3	58.3	58.5	59.1	59.3
≥ 7000	55.3	57.8	58.5	59.4	59.4	59.5	59.7	60.3	60.3	60.9	60.9	60.9	60.9	61.0	61.7	61.8
≥ 6000	56.4	59.1	60.1	61.2	61.3	61.4	61.6	62.2	62.2	62.8	62.8	62.8	62.8	62.9	63.6	63.7
≥ 5000	58.2	60.6	62.1	63.2	63.3	63.4	63.6	64.2	64.2	64.8	64.8	64.8	64.8	64.9	65.6	65.7
≥ 4500	58.9	61.4	62.9	64.1	64.4	64.5	64.7	65.3	65.3	65.9	65.9	65.9	65.9	66.0	66.7	66.8
≥ 4000	59.7	62.5	64.1	65.6	66.3	66.4	66.5	67.2	67.2	67.7	67.7	67.7	67.7	67.9	68.5	68.7
≥ 3500	60.9	63.6	65.1	66.7	67.5	67.6	67.7	68.4	68.4	69.0	69.0	69.0	69.0	69.1	69.8	69.9
≥ 3000	62.8	65.9	67.3	69.1	69.9	70.0	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.8	72.4	72.6
≥ 2500	64.5	68.3	69.9	72.3	73.3	73.4	73.7	74.3	74.3	75.0	75.0	75.0	75.0	75.1	75.8	75.9
≥ 2000	67.5	71.8	73.5	75.9	77.2	77.3	77.7	78.4	78.4	79.0	79.0	79.0	79.0	79.2	79.8	80.0
≥ 1800	68.0	72.7	74.5	77.0	78.4	78.5	79.2	79.8	79.8	80.5	80.5	80.5	80.5	80.6	81.3	81.5
≥ 1500	69.8	74.5	76.3	79.6	80.9	81.0	81.7	82.4	82.4	83.2	83.2	83.2	83.2	83.3	84.0	84.1
≥ 1200	71.4	77.0	78.9	82.3	83.6	83.7	84.4	85.1	85.1	85.9	85.9	85.9	85.9	86.0	86.7	86.8
≥ 1000	72.4	78.1	80.1	83.5	85.1	85.6	86.4	87.2	87.2	88.0	88.0	88.0	88.0	88.2	88.8	89.0
≥ 900	72.7	78.4	80.4	83.7	85.3	86.0	87.0	88.0	88.0	88.8	88.8	88.8	88.8	89.0	89.7	89.8
≥ 800	73.0	73.9	80.9	84.3	85.9	86.7	87.6	88.7	88.7	89.5	89.5	89.5	89.5	89.7	90.3	90.5
≥ 700	73.1	79.2	81.2	84.7	86.3	87.2	88.2	89.2	89.2	90.3	90.3	90.3	90.3	90.5	91.1	91.3
≥ 600	73.9	80.2	82.3	85.8	87.4	88.3	89.2	90.3	90.3	91.4	91.4	91.4	91.4	91.5	92.2	92.3
≥ 500	74.3	80.8	82.9	86.4	88.0	89.1	90.1	91.1	91.1	92.2	92.5	92.5	92.5	92.7	93.7	93.8
≥ 400	74.3	80.8	82.9	86.6	88.2	89.2	90.2	91.3	91.3	92.5	92.7	92.7	93.3	93.5	94.8	95.0
≥ 300	74.5	81.2	83.3	87.2	89.1	90.2	91.3	92.3	92.3	93.7	94.2	94.2	94.8	95.2	96.5	96.8
≥ 200	74.5	81.2	83.3	87.2	89.1	90.2	91.5	92.6	92.6	94.2	95.2	95.2	96.1	96.5	98.0	98.3
≥ 100	74.5	81.2	83.3	87.2	89.1	90.2	91.5	92.6	92.6	94.2	95.2	95.2	96.6	97.0	98.7	99.1
≥ 0	74.6	81.3	83.5	87.4	89.2	90.3	91.7	92.7	92.7	94.4	95.3	95.3	96.8	97.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
AT ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 ...14 | HECTOR APT FARGO ND | 74-81 | JAN
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-1800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	41.9	45.0	46.4	47.0	47.2	47.4	48.3	48.7	48.7	48.9	49.1	49.1	49.1	49.4	49.5	49.5
≥ 20000	43.2	46.4	48.2	48.7	49.0	49.1	50.1	50.5	50.5	50.6	50.9	50.9	50.9	51.1	51.3	51.3
≥ 18000	43.5	46.8	48.6	49.1	49.4	49.5	50.5	50.9	50.9	51.0	51.3	51.3	51.3	51.5	51.7	51.7
≥ 16000	43.5	46.8	48.6	49.1	49.4	49.5	50.5	50.9	50.9	51.0	51.3	51.3	51.3	51.5	51.7	51.7
≥ 14000	44.4	47.8	49.5	50.1	50.3	50.5	51.4	51.8	51.8	52.0	52.2	52.2	52.2	52.5	52.6	52.6
≥ 12000	45.9	49.3	51.0	51.5	51.8	52.0	52.9	53.3	53.3	53.4	53.7	53.7	53.7	54.0	54.1	54.1
≥ 10000	46.7	50.2	52.1	52.6	53.0	53.2	54.1	54.5	54.5	54.6	55.0	55.0	55.0	55.3	55.5	55.5
≥ 9000	47.4	51.1	53.3	53.8	54.2	54.4	55.3	55.7	55.7	55.9	56.3	56.3	56.3	56.5	56.7	56.7
≥ 8000	48.3	52.2	54.4	54.9	55.3	55.5	56.4	56.8	56.8	56.9	57.3	57.3	57.3	57.6	57.7	57.7
≥ 7000	49.9	53.8	56.0	56.5	56.9	57.1	58.1	58.7	58.7	58.8	59.2	59.2	59.2	59.5	59.6	59.6
≥ 6000	51.7	56.1	58.4	59.2	59.6	59.8	60.8	61.4	61.4	61.6	62.0	62.0	62.0	62.3	62.4	62.4
≥ 5000	53.2	57.7	60.4	61.4	61.8	61.9	63.0	63.7	63.7	63.9	64.3	64.3	64.3	64.6	64.7	64.7
≥ 4500	53.8	58.4	61.1	62.0	62.4	62.6	63.7	64.3	64.3	64.6	65.0	65.0	65.0	65.3	65.4	65.4
≥ 4000	55.5	60.3	63.4	64.3	64.9	65.0	66.4	67.0	67.0	67.3	67.7	67.7	67.7	68.0	68.1	68.1
≥ 3500	56.1	61.1	64.2	65.1	65.9	66.1	67.4	68.1	68.1	68.4	68.8	68.8	68.8	69.0	69.2	69.2
≥ 3000	58.5	63.8	67.3	68.6	69.9	70.0	71.3	72.1	72.1	72.4	72.8	72.8	72.8	73.1	73.2	73.2
≥ 2500	60.6	66.4	70.4	72.0	73.2	73.5	75.0	75.8	75.8	76.0	76.4	76.4	76.4	76.7	76.9	76.9
≥ 2000	62.6	68.6	72.9	74.7	75.9	76.2	77.7	78.5	78.5	78.7	79.1	79.1	79.1	79.4	79.5	79.5
≥ 1800	63.3	69.3	73.6	75.5	76.9	77.1	78.6	79.4	79.4	79.7	80.1	80.1	80.1	80.3	80.5	80.5
≥ 1500	64.7	71.1	75.4	77.8	79.3	79.7	81.2	82.0	82.0	82.2	82.6	82.6	82.6	82.9	83.0	83.0
≥ 1200	66.9	73.5	77.9	80.8	82.5	82.9	84.4	85.2	85.2	85.5	85.9	85.9	85.9	86.1	86.3	86.4
≥ 1000	67.8	74.8	79.3	82.4	84.1	84.5	86.0	86.9	86.9	87.8	88.2	88.2	88.4	88.8	89.0	89.1
≥ 900	68.0	75.2	79.8	82.9	84.7	85.1	86.8	88.0	88.0	89.0	89.4	89.4	89.6	90.0	90.2	90.3
≥ 800	68.4	75.8	80.3	83.6	85.5	85.9	87.6	89.0	89.0	89.9	90.3	90.3	90.7	91.1	91.3	91.4
≥ 700	68.6	76.2	80.8	84.3	86.3	86.7	88.6	89.9	89.9	90.8	91.3	91.3	91.7	92.1	92.2	92.3
≥ 600	69.2	76.9	81.4	84.9	86.9	87.3	89.2	90.6	90.6	91.5	92.1	92.1	92.7	93.1	93.4	93.7
≥ 500	69.9	77.7	82.4	85.9	88.0	88.4	90.3	91.9	91.9	93.0	93.5	93.5	94.3	94.8	95.3	95.6
≥ 400	69.9	77.7	82.4	85.9	88.0	88.4	90.3	91.9	91.9	93.0	93.5	93.5	94.6	95.4	96.0	96.2
≥ 300	69.9	77.9	82.8	86.3	88.6	89.0	90.8	92.6	92.6	93.7	94.3	94.3	95.4	96.4	96.9	97.2
≥ 200	69.9	77.9	82.8	86.3	88.6	89.0	90.8	92.6	92.6	93.7	94.3	94.5	96.1	97.2	97.8	98.3
≥ 100	69.9	77.9	82.8	86.3	88.6	89.0	90.8	92.6	92.6	93.7	94.3	94.5	96.2	97.4	98.3	99.1
≥ 0	69.9	77.9	82.8	86.3	88.6	89.0	90.8	92.6	92.6	93.7	94.3	94.5	96.2	97.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 743

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 (STATION) | HECTOR APT FARGO ND (STATION NAME) | 74-81 (YEARS) | JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	41.3	44.5	45.8	46.6	47.0	47.4	47.7	47.8	47.8	48.4	48.7	48.7	49.2	49.2	49.5	49.5
≥ 20000	44.5	49.3	50.7	51.6	52.2	52.7	53.0	53.1	53.1	53.6	53.9	53.9	55.0	55.0	55.2	55.2
≥ 18000	45.1	50.0	51.3	52.3	52.8	53.4	53.6	53.8	53.8	54.3	54.6	54.6	55.6	55.6	55.9	55.9
≥ 16000	45.1	50.0	51.3	52.3	52.8	53.4	53.6	53.8	53.8	54.3	54.6	54.6	55.6	55.6	55.9	55.9
≥ 14000	45.2	50.3	51.6	52.6	53.1	53.6	53.9	54.0	54.0	54.6	54.8	54.8	55.9	55.9	56.2	56.2
≥ 12000	46.0	51.3	52.7	53.6	54.2	54.7	55.0	55.1	55.1	55.8	56.2	56.2	57.3	57.3	57.5	57.5
≥ 10000	47.4	53.2	54.7	55.9	56.5	57.0	57.3	57.5	57.5	58.3	58.7	58.7	59.8	59.8	60.1	60.1
≥ 9000	48.9	55.2	57.0	58.2	58.7	59.4	59.7	59.9	59.9	60.8	61.2	61.2	62.2	62.2	62.5	62.5
≥ 8000	49.9	56.2	58.1	59.3	59.9	60.6	60.9	61.2	61.2	62.4	62.8	62.8	63.8	63.8	64.1	64.1
≥ 7000	51.1	57.5	59.4	60.8	61.4	62.1	62.4	62.6	62.6	64.1	64.5	64.5	65.6	65.6	65.9	65.9
≥ 6000	53.1	59.7	61.6	62.9	63.7	64.4	64.7	64.9	64.9	66.4	66.8	66.8	67.9	67.9	68.1	68.1
≥ 5000	53.9	60.8	62.8	64.2	65.2	65.9	66.1	66.4	66.4	67.9	68.4	68.4	69.5	69.5	69.8	69.8
≥ 4500	54.4	61.4	63.4	64.9	65.9	66.5	66.9	67.2	67.2	68.8	69.4	69.4	70.6	70.6	70.8	70.8
≥ 4000	56.0	63.3	65.9	67.3	68.3	69.0	69.5	69.8	69.8	71.4	71.9	71.9	73.1	73.1	73.4	73.4
≥ 3500	56.7	63.4	66.0	67.5	68.7	69.5	70.2	70.4	70.4	72.0	72.6	72.6	73.8	73.8	74.1	74.1
≥ 3000	57.1	64.9	67.7	69.2	70.4	71.4	72.0	72.3	72.3	74.1	74.6	74.6	75.8	75.8	76.1	76.1
≥ 2500	57.9	66.0	68.8	70.6	71.8	72.8	73.7	74.1	74.1	75.8	76.3	76.3	77.6	77.6	77.8	77.8
≥ 2000	59.1	67.5	70.4	72.3	73.5	74.7	75.8	76.5	76.5	78.2	78.8	78.8	80.0	80.0	80.2	80.2
≥ 1800	59.5	67.9	70.8	72.8	74.2	75.4	76.5	77.2	77.2	76.9	79.4	79.4	80.6	80.6	80.9	80.9
≥ 1500	60.5	69.2	72.2	74.2	75.7	76.9	78.2	78.9	78.9	80.6	81.2	81.2	82.4	82.4	82.7	82.7
≥ 1200	62.1	71.4	74.5	76.7	78.2	79.6	81.3	82.0	82.0	83.9	84.4	84.4	85.6	85.6	85.9	85.9
≥ 1000	62.5	72.6	76.1	78.6	80.1	81.6	83.6	84.8	84.8	86.7	87.4	87.4	88.6	88.6	89.0	89.0
≥ 900	62.9	73.4	76.9	79.6	81.2	82.7	84.9	86.2	86.2	88.4	89.2	89.2	90.5	90.5	90.9	90.9
≥ 800	62.9	73.4	76.9	79.6	81.3	82.9	85.2	86.4	86.4	89.0	89.8	89.8	91.0	91.0	91.4	91.4
≥ 700	62.9	73.7	77.4	80.1	82.0	83.7	86.4	87.8	87.8	90.5	91.3	91.3	92.6	92.6	93.0	93.0
≥ 600	62.9	73.9	77.8	80.8	83.1	84.8	87.5	89.0	89.0	91.8	92.6	92.6	94.1	94.1	94.6	94.6
≥ 500	62.9	74.1	78.0	80.9	83.5	85.2	87.9	89.4	89.4	92.2	93.1	93.1	94.6	94.6	95.4	95.4
≥ 400	63.0	74.2	78.2	81.2	84.0	85.8	88.4	89.9	89.9	92.7	93.7	93.7	95.2	95.3	96.1	96.1
≥ 300	63.0	74.3	78.4	81.3	84.3	86.2	89.0	90.6	90.6	93.7	94.6	94.6	96.2	96.4	97.3	97.4
≥ 200	63.1	74.3	78.4	81.3	84.3	86.2	89.0	90.6	90.6	93.7	94.9	95.2	97.0	97.4	98.5	98.9
≥ 100	63.1	74.3	78.4	81.3	84.3	86.2	89.0	90.6	90.6	93.7	94.9	95.2	97.0	97.6	98.8	99.5
≥ 0	63.1	74.3	78.4	81.3	84.3	86.2	89.0	90.6	90.6	93.7	94.9	95.2	97.0	97.6	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 744

...AL CLIMATOLOGY BRANCH
...ETAC
... FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 914	HECTOR APT FARGO ND	74-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	46.1	48.9	50.4	51.5	51.9	52.2	52.7	53.0	53.0	53.1	53.1	53.2	53.4	53.5	53.5	53.5
≥ 20000	48.8	53.8	55.4	56.5	57.1	57.4	57.9	58.2	58.3	58.6	59.3	59.4	59.7	60.2	60.2	60.2
≥ 18000	48.8	53.9	55.5	56.6	57.3	57.5	58.1	58.3	58.5	58.7	59.4	59.5	59.8	60.3	60.3	60.3
≥ 16000	48.8	53.9	55.5	56.6	57.3	57.5	58.1	58.3	58.5	58.7	59.4	59.5	59.8	60.3	60.3	60.3
≥ 14000	48.8	54.0	55.6	56.7	57.4	57.7	58.2	58.5	58.6	58.9	59.5	59.7	59.9	60.5	60.5	60.5
≥ 12000	49.9	55.5	57.1	58.2	58.9	59.1	59.7	59.9	60.1	60.3	61.0	61.2	61.4	62.0	62.0	62.0
≥ 10000	51.3	57.3	59.0	60.1	60.9	61.2	61.7	62.0	62.1	62.4	63.0	63.2	63.4	64.0	64.0	64.0
≥ 9000	51.9	57.9	59.7	60.8	61.6	61.8	62.4	62.6	62.8	63.2	63.8	64.0	64.2	64.8	64.8	64.8
≥ 8000	53.0	59.4	61.3	62.4	63.2	63.4	64.0	64.2	64.4	64.8	65.5	65.6	65.9	66.4	66.4	66.4
≥ 7000	53.6	60.1	62.0	63.0	63.8	64.1	64.7	64.9	65.1	65.5	66.1	66.3	66.5	67.1	67.1	67.1
≥ 6000	54.3	60.9	62.9	64.2	65.1	65.3	66.0	66.3	66.4	66.8	67.5	67.6	67.9	68.5	68.5	68.5
≥ 5000	54.8	61.6	63.7	65.2	66.1	66.4	67.1	67.3	67.5	67.9	68.5	68.7	69.0	69.6	69.6	69.6
≥ 4500	55.1	62.1	64.2	65.7	66.7	66.9	67.6	67.9	68.0	68.4	69.1	69.2	69.5	70.2	70.2	70.2
≥ 4000	56.9	64.1	66.3	67.7	68.7	69.0	69.6	69.9	70.0	70.4	71.4	71.5	71.8	72.4	72.4	72.4
≥ 3500	57.4	65.1	67.3	68.8	69.8	70.2	70.8	71.1	71.2	71.6	72.6	72.7	73.0	73.7	73.7	73.7
≥ 3000	58.5	66.3	68.8	70.3	71.2	71.6	72.4	72.7	72.8	73.3	74.2	74.3	74.6	75.3	75.3	75.3
≥ 2500	60.2	68.4	71.0	72.4	73.4	73.9	74.7	75.0	75.1	75.9	76.9	77.0	77.3	78.0	78.0	78.0
≥ 2000	62.4	71.6	74.2	76.1	77.0	77.7	78.6	78.9	79.0	79.8	80.8	80.9	81.2	81.9	81.9	81.9
≥ 1800	62.4	71.9	74.5	76.3	77.4	78.1	79.0	79.3	79.4	80.2	81.2	81.3	81.6	82.3	82.3	82.3
≥ 1500	63.8	73.4	76.2	78.1	79.4	80.2	81.5	82.3	82.4	83.3	84.5	84.7	84.9	85.6	85.6	85.6
≥ 1200	64.8	75.0	78.0	80.2	81.6	82.5	84.1	85.2	85.5	86.4	87.6	87.8	88.0	88.7	88.7	88.7
≥ 1000	66.0	76.6	79.6	81.9	83.3	84.3	86.0	87.4	87.8	89.0	90.2	90.5	90.7	91.4	91.4	91.4
≥ 900	66.1	76.6	79.6	82.0	83.5	84.4	86.2	87.5	87.9	89.1	90.5	90.7	91.0	91.8	91.8	91.8
≥ 800	66.1	76.7	79.7	82.1	83.7	84.8	86.6	87.9	88.3	89.9	91.3	91.5	91.8	92.6	92.6	92.6
≥ 700	66.1	77.0	80.4	82.8	84.4	85.6	87.6	89.0	89.4	91.0	92.7	93.0	93.8	94.8	94.8	94.8
≥ 600	66.3	77.3	80.8	83.2	84.8	86.2	88.4	89.9	90.3	92.3	94.2	94.5	95.3	96.2	96.2	96.2
≥ 500	66.3	77.3	80.8	83.3	84.9	86.3	88.6	90.3	90.7	92.9	94.8	95.0	95.8	96.9	97.0	97.0
≥ 400	66.3	77.3	80.8	83.3	84.9	86.4	88.7	90.7	91.3	93.4	95.3	95.6	96.5	97.6	97.7	97.7
≥ 300	66.3	77.3	80.8	83.3	84.9	86.4	88.7	90.7	91.3	93.7	95.8	96.1	97.3	98.5	98.7	98.7
≥ 200	66.3	77.3	80.8	83.3	84.9	86.4	88.7	90.7	91.3	93.7	95.8	96.1	97.3	98.5	98.7	98.9
≥ 100	66.3	77.3	80.8	83.3	84.9	86.4	88.7	90.7	91.3	93.7	95.8	96.1	97.3	98.5	98.8	99.2
≥ 0	66.3	77.3	80.8	83.3	84.9	86.4	88.7	90.7	91.3	93.7	95.8	96.1	97.3	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	74-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.5	47.3	48.7	48.9	49.3	49.4	49.7	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 20000	47.6	50.9	52.1	53.0	53.6	53.7	54.1	54.2	54.2	54.6	55.0	55.0	55.0	55.2	55.2	55.2
≥ 18000	47.8	51.1	52.4	53.3	53.8	54.0	54.4	54.5	54.5	54.9	55.3	55.3	55.3	55.5	55.5	55.5
≥ 16000	47.8	51.1	52.4	53.3	53.8	54.0	54.4	54.5	54.5	54.9	55.3	55.3	55.3	55.5	55.5	55.5
≥ 14000	48.2	51.7	52.9	53.8	54.4	54.5	54.9	55.0	55.0	55.5	55.9	55.9	55.9	56.0	56.0	56.0
≥ 12000	49.3	52.8	54.0	54.9	55.5	55.6	56.0	56.1	56.1	56.5	56.9	56.9	56.9	57.1	57.1	57.1
≥ 10000	50.6	54.4	55.7	57.1	57.7	58.0	58.5	58.7	58.7	59.1	59.5	59.5	59.5	59.6	59.6	59.6
≥ 9000	51.3	55.0	56.4	57.7	58.5	58.8	59.4	59.5	59.5	59.9	60.3	60.3	60.3	60.4	60.4	60.4
≥ 8000	52.2	56.4	57.7	59.1	59.9	60.2	60.7	60.8	60.8	61.4	61.8	61.8	61.8	61.9	61.9	61.9
≥ 7000	54.0	58.4	59.8	61.1	61.9	62.2	62.9	63.0	63.0	63.5	63.9	63.9	63.9	64.1	64.1	64.1
≥ 6000	55.7	60.3	61.6	63.1	63.9	64.2	64.9	65.0	65.0	65.5	66.1	66.1	66.1	66.2	66.2	66.2
≥ 5000	57.2	61.9	63.5	65.0	65.9	66.2	67.0	67.2	67.2	67.7	68.2	68.2	68.2	68.4	68.4	68.4
≥ 4500	57.6	62.6	64.3	65.8	66.8	67.0	68.0	68.1	68.1	68.6	69.2	69.2	69.2	69.3	69.3	69.3
≥ 4000	58.7	63.7	65.7	67.2	68.1	68.4	69.3	69.6	69.7	70.3	70.8	70.8	70.9	71.1	71.1	71.1
≥ 3500	59.5	64.7	66.8	68.2	69.2	69.4	70.4	70.7	70.8	71.3	71.9	71.9	72.0	72.1	72.1	72.1
≥ 3000	61.4	67.2	69.2	70.7	71.7	72.0	73.1	73.4	73.5	74.0	74.6	74.6	74.7	74.8	74.8	74.8
≥ 2500	63.3	69.3	71.7	73.4	74.7	75.0	76.0	76.3	76.4	77.4	77.9	77.9	78.1	78.2	78.2	78.2
≥ 2000	65.8	71.9	74.4	76.0	77.4	77.7	78.9	79.1	79.3	80.2	80.8	80.8	80.9	81.0	81.0	81.0
≥ 1800	66.8	73.1	75.6	77.3	78.6	78.9	80.2	80.5	80.6	81.6	82.1	82.1	82.2	82.4	82.4	82.4
≥ 1500	67.7	74.4	77.5	79.1	80.5	80.8	82.9	83.3	83.4	84.5	85.2	85.2	85.3	85.5	85.6	85.6
≥ 1200	68.5	75.5	79.3	81.2	82.5	83.0	85.6	86.0	86.1	87.6	88.6	88.6	88.7	88.8	89.0	89.0
≥ 1000	69.4	76.9	80.6	82.6	84.3	84.8	87.3	87.8	88.0	89.9	91.0	91.0	91.1	91.3	91.4	91.4
≥ 900	69.7	77.8	81.6	83.6	85.2	85.7	88.4	89.1	89.4	91.3	92.3	92.3	92.7	92.9	93.0	93.0
≥ 800	70.3	78.6	82.4	84.5	86.4	87.1	89.9	90.6	90.8	93.3	94.3	94.3	94.8	95.0	95.2	95.2
≥ 700	70.5	79.9	82.6	84.8	86.7	87.3	90.3	91.1	91.5	94.2	95.6	95.6	96.0	96.2	96.4	96.4
≥ 600	70.9	79.3	83.0	85.3	87.2	87.9	90.8	91.7	92.1	94.8	96.1	96.1	96.6	96.9	97.0	97.0
≥ 500	70.9	79.3	83.0	85.3	87.2	87.9	90.8	91.8	92.2	95.0	96.4	96.4	97.0	97.3	97.4	97.4
≥ 400	70.9	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.3	96.6	96.6	97.3	97.6	97.7	97.7
≥ 300	70.9	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.4	96.9	96.9	97.6	97.8	98.0	98.0
≥ 200	70.9	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.4	97.4	97.4	98.1	98.4	98.5	98.5
≥ 100	70.9	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.4	97.4	97.4	98.1	98.4	98.5	98.5
≥ 0	70.9	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.4	97.4	97.4	98.1	98.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14	HECTOR APT FARGO ND	74-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.1	50.5	50.9	50.9	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	51.3	53.0	53.5	53.5	53.5	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000	51.3	53.0	53.5	53.5	53.5	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000	51.5	53.1	53.6	53.6	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	51.9	53.5	54.0	54.0	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	52.6	54.3	54.8	54.8	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	54.3	56.2	56.9	56.9	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	55.1	57.0	57.7	57.7	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	56.3	58.2	58.9	58.9	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 7000	57.9	61.2	62.1	62.2	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	60.1	63.4	64.5	64.7	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	60.3	63.8	65.1	65.7	66.3	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	61.3	64.8	66.3	66.9	67.5	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 4000	62.8	66.5	68.0	68.8	69.4	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3500	63.7	67.9	69.8	70.6	71.1	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3000	65.3	69.8	71.9	72.7	73.3	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2500	66.1	70.8	73.0	74.1	74.9	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2000	69.2	74.6	76.7	77.8	79.0	79.2	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1800	69.8	75.3	77.4	78.6	80.0	80.1	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	70.3	77.2	79.6	81.2	82.7	82.8	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1200	71.8	78.9	81.3	83.3	85.3	85.5	87.1	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1000	73.7	81.3	83.7	86.2	88.2	88.3	90.3	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	74.3	82.1	84.5	87.0	89.0	89.1	91.3	91.7	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800	74.7	82.8	85.2	87.6	89.7	89.8	91.9	92.3	92.3	92.9	93.0	93.1	93.1	93.1	93.1	93.1
≥ 700	75.3	83.6	86.2	88.7	91.0	91.1	93.4	93.8	93.8	94.6	94.8	94.9	94.9	94.9	94.9	94.9
≥ 600	75.3	83.9	86.4	89.0	91.4	91.5	93.8	94.4	94.4	95.7	96.0	96.1	96.2	96.2	96.2	96.2
≥ 500	75.4	84.0	86.6	89.1	91.5	91.7	94.1	94.6	94.6	96.0	96.2	96.4	96.5	96.6	96.6	96.6
≥ 400	75.4	84.0	86.6	89.1	91.5	91.7	94.2	95.0	95.0	96.4	96.6	96.8	96.9	97.0	97.0	97.0
≥ 300	75.4	84.0	86.6	89.2	91.7	91.8	94.6	95.6	95.7	97.0	97.4	97.6	97.7	97.8	97.8	97.8
≥ 200	75.4	84.0	86.6	89.2	91.7	91.8	94.6	95.7	95.8	97.2	97.8	98.0	98.1	98.3	98.4	98.4
≥ 100	75.4	84.0	86.6	89.2	91.7	91.8	94.6	95.7	95.8	97.2	97.8	98.0	98.1	98.3	98.4	98.4
≥ 0	75.4	84.0	86.6	89.2	91.7	91.8	94.6	95.7	95.8	97.2	97.8	98.0	98.1	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

CL MAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	74-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.9	51.8	51.3	51.6	51.9	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	51.1	53.2	53.6	53.9	54.2	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	51.1	53.2	53.6	53.9	54.2	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	51.2	53.1	53.8	54.0	54.3	54.6	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 14000	52.2	54.3	54.7	55.0	55.2	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	53.9	55.6	56.3	56.6	56.9	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	55.6	57.5	58.3	58.7	59.0	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	55.9	57.9	58.7	59.1	59.4	59.7	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 8000	56.7	58.7	59.5	59.9	60.2	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 7000	57.4	59.7	60.6	61.0	61.3	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	58.1	61.4	62.4	62.9	63.2	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 5000	58.6	62.6	63.7	64.5	64.8	65.1	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	59.4	63.7	64.8	65.7	66.0	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	60.2	64.7	65.9	66.8	67.2	67.5	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	61.2	65.7	66.9	67.9	68.4	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 3000	63.6	68.3	69.9	71.0	71.5	71.8	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2500	65.3	70.8	72.7	73.9	74.7	75.0	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	67.6	73.4	75.4	77.0	77.8	78.1	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1800	68.4	74.5	76.5	78.2	79.0	79.3	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1500	70.4	77.4	79.8	82.0	83.1	83.3	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1200	71.9	79.3	81.9	84.3	85.5	86.2	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1000	73.3	80.8	83.6	86.4	87.9	88.6	89.2	89.5	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 900	73.8	81.5	84.3	87.1	89.0	89.7	90.5	91.1	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	73.8	81.9	84.7	87.5	89.5	90.3	91.1	91.8	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	74.1	82.5	85.3	88.2	90.3	91.1	91.9	92.6	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	74.1	82.5	85.3	88.2	90.5	91.3	92.1	92.9	92.9	93.3	93.5	93.5	93.7	93.7	93.7	93.7
≥ 500	74.3	82.8	85.6	88.6	91.1	91.9	92.9	94.1	94.1	94.8	95.4	95.4	95.7	95.7	95.7	95.7
≥ 400	74.5	83.1	85.9	88.8	91.4	92.2	93.1	94.5	94.5	95.2	95.8	95.8	96.1	96.1	96.1	96.1
≥ 300	74.5	83.1	85.9	89.2	91.9	92.7	93.7	95.0	95.0	95.7	96.5	96.5	96.8	96.8	96.8	96.8
≥ 200	74.5	83.1	85.9	89.2	92.1	92.9	93.8	95.3	95.3	96.0	96.8	96.8	97.0	97.2	97.3	97.3
≥ 100	74.5	83.1	85.9	89.2	92.1	92.9	93.8	95.3	95.3	96.0	96.8	96.8	97.0	97.3	97.8	98.4
≥ 0	74.5	83.1	85.9	89.2	92.1	92.9	93.8	95.3	95.3	96.0	96.8	96.8	97.2	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

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

CEILING VERSUS VISIBILITY

1 ...14	HECTOR APT FARGO ND	74-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	47.6	47.9	48.9	49.5	49.8	50.0	50.4	50.6	50.[illegible]	50.8	50.9	50.9	51.0	51.0	51.2	51.2
≥ 20000	48.1	50.9	52.1	52.8	53.1	53.3	53.7	53.9	53.9	[illegible].2	54.4	54.4	54.5	54.7	54.8	54.9
≥ 18000	49.2	51.1	52.2	52.9	53.3	53.5	53.8	54.1	54.1	54.3	54.5	54.6	54.7	54.9	55.0	55.0
≥ 16000	48.3	51.1	52.3	53.0	53.3	53.5	53.9	54.1	54.1	54.4	54.6	54.6	54.9	54.9	55.0	55.1
≥ 14000	49.8	51.8	52.9	53.6	53.9	54.2	54.5	54.7	54.7	55.0	55.2	55.2	55.4	55.5	55.7	55.7
≥ 12000	49.9	52.9	54.0	54.7	55.1	55.3	55.6	55.9	55.9	56.2	56.4	56.4	56.6	56.7	56.8	56.9
≥ 10000	51.5	54.7	56.1	56.8	57.2	57.5	57.8	58.1	58.1	58.4	58.6	58.6	58.8	58.9	59.1	59.1
≥ 9000	52.3	55.7	57.0	57.8	58.3	58.6	58.9	59.2	59.2	59.5	59.7	59.7	59.9	60.0	60.2	60.2
≥ 8000	53.3	56.8	58.1	58.9	59.4	59.7	60.0	60.3	60.3	60.6	60.9	60.9	61.1	61.2	61.3	61.4
≥ 7000	54.7	58.5	59.9	60.8	61.3	61.5	61.9	62.2	62.2	62.6	62.9	62.9	63.0	63.2	63.3	63.4
≥ 6000	56.1	60.2	61.7	62.7	63.3	63.5	64.0	64.2	64.2	64.7	64.9	64.9	65.1	65.3	65.4	65.4
≥ 5000	56.9	61.3	63.1	64.3	64.8	65.1	65.6	65.8	65.8	66.3	66.6	66.6	66.7	66.9	67.0	67.1
≥ 4500	57.6	62.2	64.0	65.2	65.8	66.1	66.6	66.9	66.9	67.3	67.6	67.6	67.8	67.9	68.1	68.1
≥ 4000	58.8	63.6	65.6	67.0	67.7	67.9	68.5	68.8	68.8	69.3	69.6	69.6	69.8	70.0	70.1	70.2
≥ 3500	59.5	64.5	66.6	67.9	68.8	69.1	69.6	69.9	70.0	70.4	70.7	70.8	71.0	71.1	71.3	71.3
≥ 3000	61.3	66.6	68.9	70.3	71.2	71.5	72.2	72.5	72.5	73.0	73.3	73.3	73.5	73.7	73.9	73.9
≥ 2500	62.9	68.7	71.3	72.9	73.9	74.3	75.1	75.4	75.4	76.1	76.4	76.4	76.6	76.7	76.9	76.9
≥ 2000	65.2	71.4	74.1	75.9	77.0	77.4	78.4	78.7	78.8	79.4	79.7	79.7	79.9	80.1	80.2	80.3
≥ 1800	65.8	72.1	74.9	76.8	78.0	78.5	79.5	79.8	79.9	80.5	80.8	80.8	81.0	81.2	81.3	81.4
≥ 1500	67.1	73.9	76.9	79.1	80.5	81.0	82.2	82.6	82.7	83.3	83.7	83.7	83.9	84.1	84.3	84.3
≥ 1200	68.6	75.9	79.0	81.6	83.0	83.6	85.1	85.6	85.6	86.4	86.8	86.8	87.0	87.2	87.4	87.4
≥ 1000	69.6	77.3	80.6	83.3	84.9	85.6	87.2	87.9	87.9	88.9	89.4	89.4	89.6	89.8	90.0	90.1
≥ 900	69.9	77.9	81.1	84.0	85.6	86.4	88.1	88.9	89.0	90.0	90.5	90.5	90.8	91.0	91.2	91.2
≥ 800	70.2	78.3	81.5	84.4	86.2	87.0	88.7	89.5	89.6	90.9	91.4	91.4	91.7	91.9	92.1	92.2
≥ 700	70.4	78.7	82.1	85.0	86.9	87.7	89.6	90.5	90.6	91.9	92.5	92.6	93.0	93.2	93.4	93.4
≥ 600	70.7	79.2	82.6	85.5	87.5	88.4	90.3	91.3	91.4	92.9	93.6	93.6	94.1	94.4	94.6	94.7
≥ 500	70.9	79.4	82.9	85.9	87.9	88.8	90.8	91.9	92.0	93.6	94.4	94.5	95.0	95.3	95.7	95.8
≥ 400	71.0	79.5	83.0	86.1	88.2	89.1	91.1	92.3	92.4	94.1	94.9	94.9	95.6	96.0	96.4	96.5
≥ 300	71.0	79.6	83.1	86.3	88.5	89.5	91.5	92.8	92.9	94.7	95.6	95.7	96.4	96.8	97.3	97.4
≥ 200	71.0	79.6	83.1	86.4	88.6	89.5	91.6	92.9	93.1	94.9	96.0	96.1	97.0	97.5	98.0	98.2
≥ 100	71.0	79.6	83.1	86.4	88.6	89.5	91.6	92.9	93.1	94.9	96.0	96.1	97.2	97.7	98.4	98.9
≥ 0	71.0	79.6	83.1	86.4	88.6	89.5	91.6	92.9	93.1	94.9	96.0	96.1	97.2	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 -14 | HECTOR ARPT FARGO ND | 74-81 | FEB
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	49.4	51.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	53.6	53.1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.3
≥ 18000	53.7	53.2	54.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.4
≥ 6000	53.7	53.2	54.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.4
≥ 14000	54.1	53.5	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.7
≥ 12000	52.5	55.5	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.5
≥ 10000	54.1	57.4	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.7
≥ 9000	55.5	58.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.5
≥ 8000	56.9	59.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.7
≥ 7000	58.1	61.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.6
≥ 6000	59.4	63.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.2
≥ 5000	60.5	64.6	65.8	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.1
≥ 4500	60.8	65.3	66.7	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0
≥ 4000	62.7	67.7	69.2	69.8	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	71.1
≥ 3500	63.9	69.3	70.8	71.7	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	73.0
≥ 3000	66.4	72.4	74.2	75.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	77.0
≥ 2500	69.0	75.7	77.6	78.8	79.8	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.7
≥ 2000	70.6	77.7	79.8	81.1	82.4	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.6
≥ 1800	71.2	78.5	80.5	81.9	83.2	83.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.7
≥ 1500	71.8	80.2	82.3	83.9	85.3	85.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7
≥ 1200	72.9	81.7	83.9	85.7	87.0	87.2	88.2	88.5	88.5	88.6	88.6	88.6	88.6	88.6	89.1
≥ 1000	73.7	82.6	85.1	87.3	89.2	89.5	90.7	91.3	91.3	91.6	91.7	91.7	91.7	91.7	92.2
≥ 900	73.9	82.7	85.3	87.9	89.8	90.1	91.3	91.9	91.9	92.3	92.5	92.5	92.5	92.5	92.9
≥ 800	74.1	83.0	85.7	88.5	90.4	90.7	91.9	92.8	92.8	93.2	93.7	93.7	93.7	93.7	94.1
≥ 700	74.2	83.2	86.0	88.8	90.9	91.2	92.8	93.7	93.7	94.1	94.5	94.5	94.5	94.5	95.0
≥ 600	74.6	83.6	86.6	89.7	91.7	92.0	93.7	94.5	94.5	95.0	95.4	95.4	95.4	95.4	95.9
≥ 500	74.8	84.1	87.0	90.3	92.5	92.8	95.0	96.0	96.0	96.5	96.9	96.9	97.3	97.3	97.8
≥ 400	74.8	84.1	87.0	90.3	92.8	93.4	95.6	96.6	96.6	97.1	97.5	97.5	97.9	97.9	98.4
≥ 300	74.8	84.1	87.0	90.7	93.5	94.1	96.3	97.3	97.3	97.9	98.5	98.5	99.0	99.0	99.4
≥ 200	74.8	84.1	87.0	90.7	93.5	94.1	96.3	97.3	97.3	97.9	98.5	98.5	99.0	99.0	99.6
≥ 100	74.8	84.2	87.2	91.0	93.8	94.4	96.6	97.6	97.6	98.2	98.8	98.8	99.3	99.3	99.4	100.0
≥ 0	74.8	84.2	87.2	91.0	93.9	94.4	96.6	97.6	97.6	98.2	98.8	98.8	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 67[illegible]

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible]EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1[illegible]14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
FEB — MONTH
[illegible]300-0[illegible]0 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.[illegible]	47.2	47.3	47.5	47.5	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000	47.6	50.4	50.9	51.0	51.0	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	47.8	50.6	51.[illegible]	51.2	51.2	51.2	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 16000	47.8	50.6	51.[illegible]	51.2	51.2	51.2	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 14000	48.8	51.6	52.1	52.2	52.2	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 12000	49.6	52.5	52.9	53.1	53.1	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	[illegible]1.5	54.6	55.2	55.3	55.3	55.3	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.[illegible]
≥ 9000	[illegible]3.5	56.6	57.2	57.5	57.5	57.5	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	[illegible]4.3	57.1	57.7	58.0	58.0	58.0	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 7000	56.6	60.2	60.9	61.4	61.4	61.4	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 6000	[illegible]8.[illegible]	61.9	62.7	63.1	63.1	63.1	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000	[illegible]9.1	63.3	64.2	64.7	64.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.[illegible]
≥ 4500	[illegible]0.0	64.5	65.3	65.9	65.9	65.9	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	61.8	67.1	68.[illegible]	68.7	68.9	69.2	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3500	62.[illegible]	68.3	69.2	69.9	70.1	70.4	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3000	64.2	70.5	71.5	72.3	72.4	72.7	73.3	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7
≥ 2500	67.6	74.5	75.7	76.7	76.8	77.3	77.9	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3
≥ 2000	69.6	76.7	78.0	79.2	79.4	79.9	81.0	81.4	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7
≥ 1800	69.9	77.1	78.6	79.8	79.9	80.5	81.6	82.0	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3
≥ 1500	70.8	78.5	80.2	81.4	81.7	82.4	83.9	84.5	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8
≥ 1200	71.4	79.6	81.6	83.2	83.5	84.2	85.7	86.3	86.4	86.7	86.9	86.9	87.0	87.0	87.0	87.0
≥ 1000	71.5	80.2	82.6	85.0	85.4	86.1	88.3	89.1	89.2	89.5	90.0	90.0	90.6	90.6	90.6	90.6
≥ 900	71.9	81.1	83.5	86.1	86.7	87.5	89.7	90.4	90.6	90.9	91.3	91.3	91.9	91.9	91.9	91.9
≥ 800	72.6	81.9	84.2	87.0	87.8	88.5	90.9	91.7	91.9	92.2	92.6	92.6	93.2	93.2	93.2	93.2
≥ 700	72.6	82.0	84.4	87.3	88.6	89.4	91.9	92.8	92.9	93.2	93.7	93.7	94.7	94.7	94.7	94.7
≥ 600	72.6	82.3	84.7	87.8	89.1	89.8	92.3	93.2	93.4	93.7	94.1	94.1	95.1	95.1	95.1	95.1
≥ 500	72.6	82.6	85.0	88.2	89.5	90.3	92.9	93.8	94.1	94.4	94.8	94.8	95.9	95.9	95.9	95.9
≥ 400	72.7	82.7	85.5	88.8	90.1	90.9	93.5	94.4	94.7	95.0	95.4	95.4	96.5	96.5	97.1	97.1
≥ 300	72.7	82.7	85.5	88.9	90.3	91.3	94.0	94.8	95.1	95.6	96.2	96.2	97.2	97.2	98.1	98.4
≥ 200	72.7	82.7	85.5	88.9	90.3	91.4	94.1	95.4	95.7	96.2	96.8	96.8	97.9	97.9	99.3	99.6
≥ 100	72.9	82.9	85.7	89.1	90.4	91.6	94.2	95.6	95.9	96.3	96.9	96.9	98.2	98.2	99.6	99.9
≥ 0	72.9	82.9	85.7	89.1	90.4	91.6	94.2	95.6	95.9	96.3	96.9	96.9	98.2	98.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 675

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.1	43.4	43.5	42.8	44.1	44.1	44.5	44.7	44.7	44.8	44.8	44.8	45.0	45.0	45.0	45.0
≥ 20000	43.3	46.3	46.2	46.5	46.9	46.9	47.3	47.5	47.5	47.6	47.8	47.8	47.9	47.9	47.9	47.9
≥ 18000	43.5	46.3	46.5	46.8	47.2	47.2	47.6	47.8	47.8	47.9	48.1	48.1	48.2	48.2	48.2	48.2
≥ 16000	43.5	46.3	46.5	46.8	47.2	47.2	47.6	47.8	47.8	47.9	48.1	48.1	48.2	48.2	48.2	48.2
≥ 14000	45.1	47.9	48.1	48.4	48.8	48.8	49.3	49.4	49.4	49.6	49.7	49.7	49.9	49.9	49.9	49.9
≥ 12000	46.5	49.6	49.9	50.3	50.7	50.7	51.2	51.3	51.3	51.5	51.6	51.6	51.8	51.8	51.8	51.8
≥ 10000	49.7	53.4	53.7	54.1	54.6	54.6	55.0	55.2	55.2	55.3	55.5	55.5	55.6	55.6	55.6	55.6
≥ 9000	51.0	54.9	55.2	55.6	56.0	56.0	56.5	56.6	56.6	56.8	56.9	56.9	57.1	57.1	57.1	57.1
≥ 8000	52.4	56.6	56.9	57.4	57.8	57.8	58.4	58.6	58.6	58.7	58.8	58.8	59.0	59.0	59.0	59.0
≥ 7000	55.6	59.6	60.0	60.8	61.2	61.2	61.8	61.9	61.9	62.1	62.2	62.2	62.4	62.4	62.4	62.4
≥ 6000	56.5	60.8	61.2	61.9	62.4	62.4	63.1	63.3	63.3	63.6	63.7	63.7	63.9	63.9	63.9	63.9
≥ 5000	58.1	62.5	63.1	63.7	64.2	64.2	64.9	65.0	65.0	65.3	65.5	65.5	65.6	65.6	65.6	65.6
≥ 4500	58.7	63.4	64.0	64.7	65.2	65.2	65.9	66.1	66.1	66.4	66.5	66.5	66.7	66.7	66.7	66.7
≥ 4000	59.6	64.5	65.1	65.8	66.5	66.7	67.4	67.6	67.6	67.8	68.0	68.0	68.1	68.1	68.1	68.1
≥ 3500	60.5	65.8	66.4	67.1	67.8	68.1	68.9	69.0	69.0	69.3	69.5	69.5	69.6	69.6	69.6	69.6
≥ 3000	63.0	69.0	69.9	70.9	71.8	72.3	73.0	73.2	73.2	73.5	73.6	73.6	73.7	73.7	73.7	73.7
≥ 2500	66.1	72.7	73.9	74.9	76.1	76.5	77.3	77.4	77.4	77.7	77.9	77.9	78.0	78.0	78.0	78.0
≥ 2000	68.1	75.5	77.0	78.2	79.5	79.9	81.0	81.1	81.1	81.4	81.6	81.6	81.7	81.7	81.7	81.7
≥ 1800	69.0	76.8	78.3	79.6	81.0	81.4	82.6	82.7	82.7	83.0	83.2	83.2	83.3	83.3	83.3	83.3
≥ 1500	69.9	77.9	79.6	81.0	82.3	83.0	84.4	84.7	84.7	85.0	85.3	85.3	85.4	85.4	85.4	85.4
≥ 1200	70.6	78.9	80.8	82.2	83.6	84.4	85.8	86.3	86.3	86.7	87.0	87.0	87.2	87.2	87.2	87.2
≥ 1000	70.9	79.8	81.7	83.3	85.0	85.8	87.8	88.6	88.6	89.4	90.0	90.0	90.4	90.4	90.4	90.4
≥ 900	71.1	80.1	82.0	84.1	85.7	86.6	88.6	89.7	89.7	90.4	91.0	91.0	91.4	91.4	91.4	91.4
≥ 800	71.2	80.4	82.3	84.4	86.0	86.9	88.9	90.0	90.0	90.7	91.3	91.3	91.7	91.7	91.7	91.7
≥ 700	71.4	81.1	83.2	85.5	87.2	88.2	90.6	91.6	91.6	92.3	92.9	92.9	93.5	93.7	93.8	93.8
≥ 600	71.4	81.4	83.5	85.8	87.9	88.9	91.3	92.5	92.5	93.2	94.1	94.1	94.7	94.8	95.0	95.0
≥ 500	71.4	81.6	83.8	86.1	88.3	89.5	91.9	93.2	93.2	94.0	94.8	94.8	95.4	95.6	95.7	95.7
≥ 400	71.4	81.6	83.9	86.3	88.5	90.0	92.5	93.8	93.8	94.5	95.4	95.4	96.0	96.2	96.5	96.5
≥ 300	71.5	81.7	84.1	86.4	88.8	90.6	93.2	94.5	94.5	95.4	96.3	96.3	96.9	97.2	97.6	97.8
≥ 200	71.5	81.7	84.1	86.4	88.8	90.7	93.4	95.3	95.3	96.5	97.3	97.3	97.9	98.2	99.1	99.6
≥ 100	71.5	81.7	84.1	86.4	88.8	90.7	93.4	95.3	95.3	96.5	97.3	97.3	97.9	98.2	99.3	99.7
≥ 0	71.5	81.7	84.1	86.4	88.8	90.7	93.4	95.3	95.3	96.5	97.3	97.3	97.9	98.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 67[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 -1- (STATION) | HECTOR APT FARGO ND (STATION NAME) | 74-81 (YEARS) | FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	44.7	47.3	47.3	47.9	48.5	49.0	49.6	49.6	49.6	50.4	50.4	50.4	50.7	50.7	50.7	50.9
≥ 20000	49.9	53.4	53.4	54.1	54.7	55.3	56.2	56.2	56.2	57.1	57.1	57.1	57.5	57.5	57.5	57.7
≥ 18000	50.1	53.5	53.5	54.1	54.9	55.5	56.3	56.3	56.3	57.2	57.2	57.2	57.7	57.7	57.7	57.9
≥ 17000	50.1	53.7	53.7	54.3	55.0	55.6	56.5	56.5	56.5	57.4	57.4	57.4	57.8	57.8	57.8	58.0
≥ 14000	50.9	54.4	54.4	55.0	55.8	56.3	57.2	57.2	57.2	58.1	58.1	58.1	58.6	58.6	58.6	58.7
≥ 12000	52.4	56.0	56.0	56.8	57.5	58.1	59.0	59.0	59.0	59.9	59.9	59.9	60.3	60.3	60.3	60.5
≥ 10000	52.9	57.1	57.1	57.8	58.6	59.4	60.5	60.5	60.5	61.4	61.5	61.5	61.9	61.9	61.9	62.1
≥ 9000	53.7	58.1	58.3	59.0	59.7	60.6	61.7	61.7	61.7	62.5	62.7	62.7	63.1	63.1	63.1	63.3
≥ 8000	54.7	59.3	59.4	60.2	60.9	61.8	62.8	62.8	62.8	63.7	63.9	63.9	64.3	64.3	64.3	64.5
≥ 7000	56.6	61.4	61.5	62.4	63.4	64.5	65.8	65.8	65.8	66.7	66.8	66.8	67.4	67.4	67.4	67.6
≥ 6000	57.4	62.1	62.2	63.3	64.3	65.5	66.8	66.8	66.8	67.7	67.8	67.8	68.4	68.4	68.4	68.6
≥ 5000	57.8	62.5	62.8	63.9	65.0	66.2	67.7	67.7	67.7	68.6	68.7	68.7	69.3	69.3	69.3	69.5
≥ 4500	57.8	62.5	63.7	64.0	65.2	66.4	67.8	68.0	68.0	68.9	69.0	69.0	69.6	69.6	69.6	69.8
≥ 4000	59.3	64.0	64.7	65.8	67.1	68.3	69.8	69.9	69.9	70.8	70.9	70.9	71.5	71.5	71.5	71.7
≥ 3500	60.8	65.6	66.7	68.1	69.5	70.6	72.6	72.7	72.7	73.6	74.0	74.0	74.6	74.6	74.6	74.8
≥ 3000	62.4	68.1	69.3	70.9	72.4	73.7	76.0	76.3	76.3	77.1	77.7	77.7	78.3	78.3	78.3	78.5
≥ 2500	63.7	69.8	71.1	72.7	74.5	76.0	78.2	78.9	78.9	79.8	80.4	80.4	81.0	81.0	81.0	81.1
≥ 2000	65.3	72.4	73.7	75.5	77.7	79.4	81.6	82.4	82.4	83.3	83.9	83.9	84.5	84.5	84.5	84.7
≥ 1800	66.2	73.5	74.8	76.5	78.9	80.7	83.2	84.1	84.1	85.0	85.5	85.5	86.1	86.1	86.1	86.3
≥ 1500	67.6	74.9	76.4	78.2	80.5	82.3	85.3	86.3	86.3	87.5	88.1	88.1	88.6	88.6	88.6	88.8
≥ 1200	69.3	75.8	77.3	79.2	81.6	83.3	86.4	87.8	87.9	89.4	90.3	90.3	90.9	90.9	90.9	91.0
≥ 1000	69.7	76.3	78.3	80.2	82.9	84.8	88.1	89.5	89.8	91.3	92.2	92.2	92.9	92.9	92.9	93.1
≥ 900	69.2	76.7	78.5	80.7	83.3	85.3	88.8	90.3	90.7	92.3	93.2	93.2	94.0	94.0	94.0	94.1
≥ 800	69.8	77.3	79.1	81.4	84.1	86.0	89.5	91.0	91.6	93.2	94.4	94.4	95.1	95.1	95.1	95.3
≥ 700	69.8	77.3	79.1	81.4	84.1	86.0	89.7	91.2	91.7	93.5	94.7	94.8	95.7	95.7	95.7	95.9
≥ 600	69.9	77.6	79.4	81.7	84.4	86.3	90.1	91.6	92.3	94.2	95.4	95.6	96.5	96.5	96.5	96.8
≥ 500	69.9	77.9	79.6	82.0	84.7	86.7	90.6	92.0	92.8	95.0	96.2	96.5	97.3	97.3	97.3	97.6
≥ 400	69.9	77.9	79.6	82.0	84.7	86.7	90.6	92.0	92.8	95.1	96.3	96.6	97.5	97.5	97.5	97.8
≥ 300	69.9	77.9	79.6	82.0	84.7	86.9	90.7	92.2	92.9	95.4	96.9	97.2	98.4	98.4	98.4	99.0
≥ 200	69.9	77.9	79.6	82.0	84.7	86.9	90.7	92.2	92.9	95.6	97.2	97.5	98.8	98.8	99.3	99.9
≥ 100	69.9	77.9	79.6	82.0	84.7	86.9	90.7	92.2	92.9	95.6	97.2	97.5	98.8	98.8	99.3	100.0
≥ 0	69.9	77.9	79.6	82.0	84.7	86.9	90.7	92.2	92.9	95.6	97.2	97.5	98.8	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 676

USAF ETAC FORM JUL 80 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
FEB — MONTH
1200-1400 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	45.3	48.5	50.0	51.3	51.6	51.8	52.5	52.7	52.7	52.9	53.1	53.1	53.2	53.2	53.4	53.4
≥ 20000	52.7	56.0	58.1	59.6	60.0	60.2	60.9	61.1	61.1	61.4	61.5	61.5	61.9	61.9	62.2	62.2
≥ 18000	52.7	56.0	58.1	59.6	60.0	60.2	60.9	61.1	61.1	61.4	61.5	61.5	61.9	61.9	62.2	62.2
≥ 16000	52.7	56.2	58.3	59.7	60.2	60.3	61.1	61.2	61.2	61.5	61.7	61.7	62.1	62.1	62.4	62.4
≥ 14000	53.7	57.1	59.3	60.8	61.4	61.5	62.2	62.4	62.4	62.7	62.8	62.8	63.3	63.3	63.6	63.6
≥ 12000	55.3	58.7	60.9	62.4	63.0	63.1	63.9	64.0	64.0	64.3	64.5	64.5	64.9	64.9	65.2	65.2
≥ 10000	55.6	59.4	61.7	63.1	63.7	63.9	64.6	64.9	64.9	65.2	65.3	65.3	65.8	65.8	66.1	66.1
≥ 9000	55.9	59.7	62.2	63.7	64.5	64.6	65.3	65.6	65.6	65.9	66.1	66.1	66.5	66.5	66.8	66.8
≥ 8000	56.3	60.3	62.8	64.3	65.0	65.2	65.9	66.2	66.2	66.5	66.7	66.7	67.1	67.1	67.4	67.4
≥ 7000	57.7	62.1	64.6	66.1	66.8	67.0	67.7	68.0	68.0	68.3	68.4	68.4	68.9	68.9	69.2	69.2
≥ 6000	57.8	62.4	64.9	66.4	67.1	67.4	68.1	68.6	68.6	68.9	69.0	69.0	69.5	69.5	69.8	69.8
≥ 5000	58.6	63.1	65.9	67.4	68.1	68.6	69.3	69.8	69.8	70.1	70.2	70.2	70.6	70.6	70.9	70.9
≥ 4500	59.1	63.9	66.7	68.1	69.2	69.8	70.5	70.9	70.9	71.2	71.4	71.4	71.8	71.8	72.1	72.1
≥ 4000	59.3	64.6	67.7	69.2	70.5	71.2	72.0	72.4	72.4	72.7	73.0	73.0	73.5	73.5	73.7	73.7
≥ 3500	59.7	65.3	68.4	69.9	71.2	72.1	72.9	73.3	73.3	73.6	73.9	73.9	74.3	74.3	74.6	74.6
≥ 3000	61.1	66.7	70.1	71.5	73.2	74.2	74.9	75.5	75.5	75.8	76.1	76.3	76.7	76.6	77.1	77.1
≥ 2500	61.9	68.3	71.7	73.3	75.2	76.3	77.3	78.0	78.0	78.5	78.8	78.9	79.4	79.5	79.8	79.8
≥ 2000	64.5	71.5	75.1	77.0	79.1	80.4	81.4	82.2	82.2	82.6	83.0	83.2	83.6	83.8	84.1	84.1
≥ 1800	65.5	73.6	77.1	79.1	81.1	82.7	84.1	84.8	84.8	85.3	85.7	85.8	86.3	86.4	86.7	86.7
≥ 1500	66.5	75.4	79.2	81.6	83.9	85.7	87.2	87.9	87.9	88.3	89.1	89.2	89.7	89.8	90.1	90.1
≥ 1200	67.6	76.8	80.7	83.2	85.8	87.6	89.2	90.0	90.0	90.4	91.2	91.3	92.0	92.2	92.5	92.5
≥ 1000	67.8	77.6	81.4	84.2	87.0	88.9	90.7	91.4	91.6	92.3	93.1	93.2	94.1	94.2	94.7	94.7
≥ 900	68.6	78.5	82.4	85.7	88.5	90.4	92.2	92.9	93.1	94.2	95.3	95.4	96.3	96.5	96.9	96.9
≥ 800	68.7	78.8	82.7	86.1	88.9	90.9	92.6	93.4	93.5	94.8	96.0	96.3	97.2	97.3	97.8	97.8
≥ 700	69.1	79.2	83.2	86.6	89.4	91.3	93.1	93.8	94.0	95.3	96.5	96.8	97.8	97.9	98.4	98.4
≥ 600	69.2	79.4	83.3	86.7	89.5	91.4	93.4	94.1	94.2	95.6	96.8	97.1	98.1	98.2	98.7	98.7
≥ 500	69.2	79.4	83.3	86.7	89.7	91.7	93.8	94.5	94.7	96.0	97.2	97.5	98.5	98.7	99.1	99.1
≥ 400	69.2	79.4	83.3	86.7	89.7	91.7	94.0	94.7	94.8	96.2	97.3	97.6	98.7	98.8	99.3	99.3
≥ 300	69.2	79.4	83.3	86.7	89.7	91.7	94.0	94.7	94.8	96.2	97.3	97.6	98.7	98.8	99.3	99.7
≥ 200	69.2	79.4	83.3	86.7	89.7	91.7	94.0	94.7	94.8	96.2	97.3	97.6	98.7	98.8	99.4	100.0
≥ 100	69.2	79.4	83.3	86.7	89.7	91.7	94.0	94.7	94.8	96.2	97.3	97.6	98.7	98.8	99.4	100.0
≥ 0	69.2	79.4	83.3	86.7	89.7	91.7	94.0	94.7	94.8	96.2	97.3	97.6	98.7	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 675

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	42.9	45.4	45.7	46.6	46.8	46.8	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.9	47.9
≥ 20000	53.1	53.7	54.4	55.3	55.6	55.6	56.8	56.8	56.8	56.8	56.8	56.8	57.2	57.4	57.8	57.8
≥ 18000	53.4	54.4	55.2	56.0	56.3	56.3	57.5	57.5	57.5	57.5	57.9	57.5	58.0	58.1	58.6	58.6
≥ 16000	53.7	54.7	55.5	56.3	56.6	56.6	57.8	57.8	57.8	57.8	57.9	57.8	58.3	58.4	58.8	58.8
≥ 14000	51.6	55.6	56.3	57.2	57.5	57.5	58.8	58.8	58.8	58.8	58.8	58.8	59.3	59.4	59.9	59.9
≥ 12000	53.7	58.1	59.0	60.0	60.3	60.3	61.7	61.7	61.7	61.7	61.7	61.7	62.1	62.2	62.7	62.7
≥ 10000	55.3	60.6	61.5	62.5	62.8	63.0	64.3	64.3	64.3	64.3	64.3	64.3	64.7	64.9	65.3	65.3
≥ 9000	55.9	60.8	61.8	62.8	63.3	63.4	65.0	65.0	65.0	65.0	65.0	65.0	65.5	65.6	66.1	66.1
≥ 8000	56.3	61.9	63.0	64.0	64.5	64.6	66.2	66.2	66.2	66.2	66.2	66.2	66.7	66.8	67.3	67.3
≥ 7000	58.7	64.0	65.0	66.1	66.5	66.7	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.9	69.3	69.3
≥ 6000	59.3	64.6	65.6	66.7	67.1	67.3	68.9	69.0	69.0	69.0	69.0	69.0	69.5	69.6	70.1	70.1
≥ 5000	59.7	65.2	66.2	67.3	67.7	67.8	69.6	69.8	69.8	69.9	69.9	69.9	70.4	70.5	70.9	70.9
≥ 4500	60.6	66.2	67.4	68.4	68.9	69.0	70.8	71.1	71.1	71.2	71.2	71.2	71.7	71.8	72.3	72.3
≥ 4000	60.8	67.0	68.1	69.2	69.8	69.9	71.7	72.0	72.0	72.3	72.4	72.4	72.9	73.0	73.5	73.5
≥ 3500	61.5	67.7	68.9	70.1	70.6	70.8	72.7	73.2	73.2	73.5	73.6	73.6	74.0	74.2	74.6	74.6
≥ 3000	62.7	69.3	70.5	71.7	72.4	72.6	74.5	74.9	74.9	75.4	75.5	75.5	76.0	76.1	76.5	76.5
≥ 2500	64.7	71.7	72.9	74.2	75.2	75.7	77.7	78.3	78.3	78.9	79.2	79.2	79.6	79.8	80.2	80.2
≥ 2000	68.0	75.4	76.7	78.5	79.5	80.1	82.2	82.9	82.9	83.8	84.1	84.1	84.5	84.7	85.1	85.1
≥ 1800	69.0	76.8	78.2	79.9	81.0	81.6	83.6	84.5	84.5	85.4	85.7	85.7	86.1	86.3	86.7	86.7
≥ 1500	69.9	79.2	80.7	82.6	84.1	84.7	86.9	87.8	87.8	88.9	89.5	89.5	90.0	90.1	90.6	90.6
≥ 1200	70.4	80.4	81.9	83.9	86.0	86.7	89.1	90.0	90.0	91.2	91.9	91.9	92.3	92.5	92.9	92.9
≥ 1000	71.4	81.6	83.0	85.3	87.5	88.2	90.9	91.7	91.7	93.1	94.0	94.0	94.5	94.7	95.1	95.1
≥ 900	71.4	82.2	83.6	85.8	88.2	88.9	91.6	92.5	92.5	93.8	94.7	94.7	95.3	95.4	95.9	95.9
≥ 800	72.1	83.2	84.7	86.9	89.2	90.0	92.6	93.5	93.5	95.0	96.0	96.0	96.8	96.9	97.3	97.3
≥ 700	72.4	83.6	85.1	87.3	89.7	90.4	93.2	94.1	94.1	95.6	96.6	96.6	97.5	97.6	98.2	98.4
≥ 600	72.4	83.6	85.3	87.5	90.0	90.7	93.7	94.7	94.7	96.2	97.2	97.2	98.2	98.4	99.0	99.1
≥ 500	72.4	83.6	85.3	87.6	90.1	91.0	94.1	95.1	95.1	96.6	97.6	97.6	98.7	99.0	99.6	99.7
≥ 400	72.4	83.6	85.3	87.6	90.1	91.0	94.1	95.1	95.1	96.6	97.6	97.6	98.7	99.0	99.6	99.7
≥ 300	72.4	83.6	85.3	87.6	90.1	91.0	94.1	95.1	95.1	96.6	97.9	97.9	99.0	99.3	99.9	100.0
≥ 200	72.4	83.6	85.3	87.6	90.1	91.0	94.1	95.1	95.1	96.6	97.9	97.9	99.0	99.3	99.9	100.0
≥ 100	72.4	83.6	85.3	87.6	90.1	91.0	94.1	95.1	95.1	96.6	97.9	97.9	99.0	99.3	99.9	100.0
≥ 0	72.4	83.6	85.3	87.6	90.1	91.0	94.1	95.1	95.1	96.6	97.9	97.9	99.0	99.3	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 675

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914 | HECTOR APT FARGO ND | 74-81 | FEB
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	0
NO CEILING	45.7	47.9	48.4	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	50.6	53.5	54.1	54.6	54.6	54.6	54.6	54.7	54.7	54.9	55.0	55.0	55.0	55.2	55.2	55.2
≥ 18000	51.3	54.3	54.9	55.3	55.3	55.3	55.3	55.5	55.5	55.6	55.8	55.8	55.8	55.9	55.9	55.9
≥ 16000	51.3	54.3	54.9	55.3	55.3	55.3	55.3	55.5	55.5	55.6	55.8	55.8	55.8	55.9	55.9	55.9
≥ 14000	51.3	54.6	55.2	55.6	55.6	55.6	55.6	55.8	55.8	55.9	56.0	56.0	56.0	56.2	56.2	56.2
≥ 12000	53.6	57.2	57.8	58.3	58.3	58.3	58.4	58.6	58.6	58.7	58.8	58.8	58.8	59.0	59.0	59.0
≥ 10000	56.2	59.7	60.3	60.8	60.8	60.8	60.9	61.1	61.1	61.2	61.4	61.4	61.4	61.5	61.5	61.5
≥ 9000	57.1	60.6	61.2	61.7	61.7	61.7	61.8	61.9	61.9	62.1	62.2	62.2	62.2	62.4	62.4	62.4
≥ 8000	57.7	61.4	62.1	62.5	62.7	62.8	63.0	63.1	63.1	63.3	63.4	63.4	63.4	63.6	63.6	63.6
≥ 7000	59.3	63.4	64.2	64.6	64.7	64.9	65.0	65.2	65.2	65.3	65.5	65.5	65.5	65.6	65.6	65.6
≥ 6000	59.6	63.9	64.6	65.0	65.2	65.3	65.5	65.6	65.6	65.8	65.9	65.9	65.9	66.1	66.1	66.1
≥ 5000	60.1	65.3	66.1	66.5	66.7	66.8	67.1	67.3	67.3	67.6	67.7	67.7	67.7	67.8	67.8	67.8
≥ 4500	61.8	66.4	67.4	68.0	68.1	68.3	68.6	68.7	68.7	69.0	69.2	69.2	69.2	69.3	69.3	69.3
≥ 4000	63.4	68.9	70.1	70.6	70.8	71.1	71.4	71.5	71.5	71.8	72.0	72.0	72.0	72.1	72.1	72.1
≥ 3500	64.3	69.8	70.9	71.5	71.8	72.1	72.4	72.6	72.6	72.9	73.0	73.0	73.0	73.2	73.2	73.2
≥ 3000	66.8	72.7	74.2	74.8	75.4	75.7	76.0	76.1	76.1	76.4	76.5	76.5	76.5	76.7	76.7	76.7
≥ 2500	68.9	76.0	77.4	78.0	78.8	79.4	79.6	79.8	79.8	80.1	80.2	80.2	80.2	80.4	80.4	80.4
≥ 2000	70.4	78.8	81.0	81.6	82.3	83.0	83.5	83.6	83.6	84.2	84.4	84.4	84.4	84.5	84.5	84.5
≥ 1800	71.5	79.9	82.7	83.3	84.2	85.0	85.4	85.5	85.5	86.1	86.3	86.3	86.3	86.4	86.4	86.4
≥ 1500	73.0	81.6	86.1	86.7	87.6	88.3	89.1	89.2	89.2	90.0	90.3	90.3	90.6	90.7	90.7	90.7
≥ 1200	73.9	84.7	88.5	89.2	90.4	91.2	91.9	92.2	92.2	93.1	93.4	93.4	93.7	93.8	93.8	93.9
≥ 1000	75.2	86.3	90.1	91.0	92.6	93.4	94.2	94.7	94.7	95.6	96.3	96.3	96.6	96.9	96.9	96.9
≥ 900	75.4	86.7	90.7	91.6	93.2	94.0	94.8	95.4	95.4	96.3	97.1	97.1	97.3	97.6	97.6	97.6
≥ 800	75.5	86.9	90.9	91.7	93.4	94.1	95.1	95.7	95.7	96.6	97.3	97.5	97.8	98.1	98.1	98.1
≥ 700	75.5	87.0	91.2	92.0	93.7	94.4	95.4	96.0	96.0	96.9	97.8	97.9	98.2	98.7	98.7	98.7
≥ 600	75.5	87.0	91.2	92.2	93.8	94.5	95.6	96.2	96.2	97.2	98.1	98.2	98.5	99.0	99.0	99.0
≥ 500	75.5	87.0	91.2	92.2	93.8	94.5	95.6	96.2	96.2	97.2	98.1	98.2	98.5	99.0	99.0	99.0
≥ 400	75.5	87.3	91.4	92.5	94.1	95.0	96.2	96.8	96.8	97.9	98.8	99.0	99.3	99.7	99.7	99.7
≥ 300	75.5	87.3	91.4	92.5	94.1	95.0	96.2	96.8	96.8	98.1	99.1	99.3	99.6	100.0	100.0	100.0
≥ 200	75.5	87.3	91.4	92.5	94.1	95.0	96.2	96.8	96.8	98.1	99.1	99.3	99.6	100.0	100.0	100.0
≥ 100	75.5	87.3	91.4	92.5	94.1	95.0	96.2	96.8	96.8	98.1	99.1	99.3	99.6	100.0	100.0	100.0
≥ 0	75.5	87.3	91.4	92.5	94.1	95.0	96.2	96.8	96.8	98.1	99.1	99.3	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 678

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.6	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	52.1	52.2
≥ 20000	51.6	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.7	54.9
≥ 18000	52.7	55.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.8	55.9
≥ 16000	52.7	55.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.8	55.9
≥ 14000	53.2	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.5	56.6
≥ 12000	55.3	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.6	58.7
≥ 10000	57.7	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.9	61.1
≥ 9000	60.0	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.3	63.4
≥ 8000	60.9	63.0	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.9	63.9	63.9	63.9	64.0	64.2
≥ 7000	61.8	64.6	65.2	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.1	66.2
≥ 6000	61.9	65.3	65.9	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	67.0	67.1
≥ 5000	63.1	66.4	67.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.4	68.6
≥ 4500	64.1	68.3	68.9	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.4	70.5
≥ 4000	65.6	70.2	70.8	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.4	72.6
≥ 3500	67.6	72.7	73.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.9	75.1
≥ 3000	69.9	75.4	76.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.7	77.9
≥ 2500	73.3	79.2	79.9	81.3	81.4	81.4	81.7	81.7	81.7	81.7	81.9	81.9	81.9	81.9	82.0	82.2
≥ 2000	73.7	81.3	82.2	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.5	84.7
≥ 1800	74.2	82.0	83.0	84.7	85.0	85.0	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.5	85.7
≥ 1500	74.6	82.9	83.9	85.7	86.1	86.3	86.9	87.0	87.0	87.3	87.6	87.6	87.6	87.6	87.8	87.9
≥ 1200	75.4	85.0	86.4	88.9	89.8	90.0	90.7	90.9	90.9	91.2	91.4	91.4	91.4	91.4	91.6	91.7
≥ 1000	76.8	86.9	88.5	91.0	92.2	92.5	93.5	94.0	94.0	94.2	94.5	94.5	94.5	94.5	94.7	94.8
≥ 900	77.7	87.8	89.4	91.9	93.1	93.4	94.4	95.0	95.0	95.3	95.6	95.6	95.6	95.6	95.7	95.9
≥ 800	78.2	88.2	90.0	92.6	93.8	94.1	95.1	95.7	95.7	96.0	96.5	96.5	96.5	96.5	96.6	96.8
≥ 700	78.3	88.3	90.1	92.8	94.0	94.2	95.3	95.9	95.9	96.5	97.1	97.1	97.1	97.1	97.2	97.3
≥ 600	78.5	88.6	90.4	93.5	95.0	95.3	96.3	96.9	96.9	97.5	98.1	98.1	98.1	98.1	98.2	98.4
≥ 500	78.5	88.8	90.6	93.7	95.1	95.6	96.8	97.5	97.5	98.1	98.8	98.8	98.8	98.8	99.0	99.1
≥ 400	78.5	88.9	90.7	93.8	95.3	95.7	96.9	97.6	97.6	98.2	99.0	99.0	99.0	99.0	99.1	99.3
≥ 300	78.5	88.9	90.9	94.0	95.4	95.9	97.2	97.9	97.9	98.7	99.6	99.6	99.6	99.7	99.9	100.0
≥ 200	78.5	88.9	90.9	94.0	95.4	95.9	97.2	97.9	97.9	98.7	99.6	99.6	99.6	99.7	99.9	100.0
≥ 100	78.5	88.9	90.9	94.0	95.4	95.9	97.2	97.9	97.9	98.7	99.6	99.6	99.6	99.7	99.9	100.0
≥ 0	78.5	88.9	90.9	94.0	95.4	95.9	97.2	97.9	97.9	98.7	99.6	99.6	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 676

CLIMATAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 914 | HECTOR APT FARGO ND | 74-81 | FEB
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	45.3	47.7	48.2	48.7	48.8	48.9	49.2	49.3	49.3	49.5	49.5	49.5	49.6	49.6	49.7	49.8
≥ 20000	49.5	52.5	53.2	53.7	53.9	54.0	54.4	54.5	54.5	54.7	54.7	54.7	54.9	55.0	55.1	55.2
≥ 18000	49.9	52.9	53.6	54.1	54.3	54.4	54.8	54.9	54.9	55.1	55.1	55.1	55.3	55.4	55.5	55.6
≥ 16000	50.0	53.0	53.7	54.1	54.4	54.5	54.9	55.0	55.0	55.1	55.2	55.2	55.4	55.4	55.5	55.6
≥ 14000	50.7	53.8	54.5	55.0	55.2	55.3	55.8	55.8	55.8	56.0	56.1	56.1	56.3	56.3	56.4	56.5
≥ 12000	52.4	55.7	56.4	56.9	57.2	57.3	57.7	57.8	57.8	58.0	58.1	58.1	58.2	58.3	58.4	58.5
≥ 10000	54.2	57.8	58.5	59.1	59.3	59.5	60.0	60.1	60.1	60.3	60.3	60.3	60.5	60.6	60.7	60.8
≥ 9000	55.3	59.0	59.8	60.4	60.7	60.9	61.4	61.5	61.5	61.7	61.8	61.8	61.9	62.0	62.1	62.2
≥ 8000	56.2	59.9	60.8	61.4	61.7	61.9	62.4	62.5	62.5	62.7	62.8	62.8	63.0	63.0	63.1	63.2
≥ 7000	58.0	62.1	63.1	63.8	64.1	64.3	64.9	65.0	65.0	65.2	65.3	65.3	65.5	65.5	65.6	65.7
≥ 6000	58.7	63.1	64.0	64.7	65.1	65.3	65.9	66.0	66.0	66.2	66.3	66.3	66.5	66.6	66.7	66.8
≥ 5000	59.7	64.1	65.1	66.0	66.4	66.6	67.3	67.5	67.5	67.7	67.8	67.8	68.0	68.0	68.1	68.2
≥ 4500	60.3	65.1	66.2	67.0	67.5	67.8	68.5	68.6	68.6	68.9	69.0	69.0	69.2	69.2	69.3	69.4
≥ 4000	61.6	66.7	68.0	68.9	69.5	69.9	70.6	70.8	70.8	71.0	71.2	71.2	71.4	71.4	71.5	71.6
≥ 3500	62.6	68.1	69.3	70.4	71.0	71.4	72.2	72.4	72.4	72.7	72.8	72.8	73.0	73.1	73.2	73.3
≥ 3000	64.5	70.5	72.0	73.1	73.9	74.3	75.2	75.4	75.4	75.7	75.9	75.9	76.1	76.2	76.3	76.4
≥ 2500	66.9	73.5	75.0	76.2	77.2	77.8	78.7	79.1	79.1	79.4	79.6	79.6	79.8	79.9	80.0	80.1
≥ 2000	68.8	76.2	77.9	79.3	80.5	81.1	82.2	82.6	82.6	83.0	83.3	83.3	83.5	83.6	83.7	83.8
≥ 1800	69.6	77.3	79.2	80.6	81.8	82.5	83.7	84.1	84.1	84.6	84.8	84.8	85.0	85.1	85.2	85.3
≥ 1500	70.5	78.9	81.1	82.6	83.9	84.8	86.2	86.7	86.7	87.2	87.6	87.6	87.9	87.9	88.0	88.1
≥ 1200	71.3	80.4	82.6	84.4	86.0	86.8	88.4	89.0	89.0	89.7	90.1	90.1	90.4	90.4	90.6	90.7
≥ 1000	72.0	81.4	83.8	85.9	87.7	88.7	90.5	91.3	91.4	92.1	92.7	92.7	93.2	93.3	93.4	93.5
≥ 900	72.4	82.0	84.4	86.7	88.6	89.5	91.4	92.3	92.3	93.2	93.8	93.8	94.3	94.4	94.5	94.6
≥ 800	72.8	82.4	84.9	87.3	89.2	90.1	92.1	93.0	93.1	94.0	94.7	94.8	95.2	95.3	95.4	95.5
≥ 700	72.9	82.7	85.3	87.7	89.7	90.6	92.7	93.6	93.7	94.7	95.5	95.5	96.1	96.2	96.4	96.5
≥ 600	73.1	82.9	85.5	88.1	90.2	91.1	93.3	94.2	94.3	95.3	96.1	96.2	96.8	96.9	97.1	97.2
≥ 500	73.3	83.1	85.7	88.3	90.5	91.5	93.8	94.8	94.9	96.0	96.8	96.9	97.6	97.7	97.9	98.0
≥ 400	73.1	83.2	85.9	88.5	90.7	91.8	94.2	95.1	95.3	96.3	97.2	97.3	97.9	98.1	98.3	98.5
≥ 300	73.1	83.2	85.9	88.6	90.8	92.1	94.5	95.4	95.6	96.7	97.7	97.8	98.5	98.7	99.0	99.3
≥ 200	73.1	83.2	85.9	88.6	90.8	92.1	94.5	95.6	95.7	97.0	98.0	98.1	98.8	99.0	99.5	99.8
≥ 100	73.1	83.2	85.9	88.7	90.9	92.1	94.5	95.6	95.8	97.0	98.0	98.1	98.9	99.0	99.6	99.9
≥ 0	73.1	83.2	85.9	88.7	90.9	92.1	94.5	95.6	95.8	97.0	98.0	98.1	98.9	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5424

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	74-81	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	50.4	52.6	53.0	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	54.8	57.3	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	55.4	57.8	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	58.6
≥ 6000	55.4	57.8	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	58.6
≥ 14000	55.9	58.3	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	56.6	59.0	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000	59.4	61.8	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	60.6	63.2	63.6	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
≥ 8000	61.4	64.1	64.5	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
≥ 7000	64.2	66.9	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	66.3	69.0	69.5	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	67.5	70.3	70.8	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	69.2	72.3	72.8	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4000	71.4	74.9	75.4	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
≥ 3500	72.6	76.1	76.6	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3000	74.7	78.6	79.3	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	76.7	81.2	81.9	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
≥ 2000	78.8	84.0	84.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	79.3	84.8	85.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500	80.0	85.9	87.2	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	80.1	86.2	87.5	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	80.5	87.2	89.1	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 900	80.6	87.8	89.7	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 800	80.9	88.0	89.9	92.2	92.5	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 700	80.9	88.4	90.3	92.6	93.0	93.1	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	80.9	88.6	90.5	92.9	93.3	93.5	94.1	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	80.9	89.0	90.9	93.5	94.2	94.6	95.2	95.6	95.7	96.0	96.0	96.1	96.2	96.2	96.2	96.2
≥ 400	80.9	89.1	91.0	94.0	94.6	95.0	96.0	96.4	96.5	96.9	96.9	97.0	97.2	97.2	97.2	97.2
≥ 300	80.9	89.2	91.1	94.2	95.0	95.4	96.4	96.8	96.9	97.6	97.8	98.0	98.4	98.4	98.8	98.8
≥ 200	80.9	89.2	91.1	94.2	95.2	95.6	96.5	97.0	97.2	97.8	98.3	98.4	98.8	98.9	99.6	99.6
≥ 100	80.9	89.2	91.1	94.2	95.2	95.6	96.5	97.0	97.2	98.0	98.4	98.5	98.9	99.1	99.7	99.7
≥ 0	80.9	89.2	91.1	94.2	95.2	95.6	96.5	97.0	97.2	98.0	98.4	98.5	98.9	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	74-81	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.9	48.8	49.5	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	50.2	52.4	53.1	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	50.1	52.8	53.5	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	50.1	52.8	53.5	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	50.9	53.6	54.3	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	52.3	55.0	55.6	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 10000	56.6	59.3	59.9	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	57.7	60.3	61.0	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	58.3	61.0	61.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	60.5	63.2	63.8	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 6000	62.3	65.5	66.4	67.1	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 5000	64.5	67.9	69.1	69.8	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	65.5	68.8	70.0	70.7	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	67.3	71.4	72.6	73.5	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3500	68.5	72.7	73.9	74.9	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3000	71.0	75.3	76.6	77.6	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	72.2	76.9	78.6	79.6	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2000	74.3	79.7	81.5	82.5	83.3	83.3	83.5	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	75.1	80.8	82.5	83.6	84.4	84.4	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	75.4	81.5	83.2	84.7	85.8	85.8	85.9	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	76.2	82.5	84.4	86.0	87.1	87.1	87.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	77.2	84.0	86.3	87.8	89.0	89.0	89.2	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 900	77.3	84.4	86.4	88.2	89.4	89.4	89.7	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	77.4	84.7	87.0	89.4	90.6	90.6	91.0	91.5	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	77.6	85.1	87.4	90.1	91.3	91.3	91.8	92.3	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	77.6	85.1	87.4	90.2	91.5	91.5	92.2	92.7	92.9	93.5	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	77.7	85.3	87.8	91.1	92.7	92.7	93.4	94.0	94.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	77.7	85.3	87.8	91.1	92.9	92.9	94.1	94.6	95.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	77.7	85.8	88.3	91.8	93.7	93.7	94.9	95.6	96.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	77.7	85.8	88.3	91.8	93.7	93.7	94.9	95.7	96.1	97.3	97.7	97.7	98.0	98.0	98.5	98.5
≥ 100	77.7	85.8	88.3	91.8	93.7	93.7	94.9	95.7	96.1	97.6	98.0	98.0	98.8	99.1	99.6	99.6
≥ 0	77.7	85.8	88.3	91.8	93.7	93.7	94.9	95.7	96.1	97.6	98.0	98.0	98.8	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
14914	HECTOR APT FARGO ND	74-81	MAR

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.1	46.9	47.8	48.7	49.1	49.2	49.2	49.3	49.3	49.5	49.6	49.6	49.7	49.9	50.0	50.0
≥ 20000	47.7	50.7	51.6	52.4	52.8	53.0	53.0	53.1	53.1	53.2	53.4	53.4	53.5	53.6	53.8	53.8
≥ 18000	47.7	50.7	51.6	52.4	52.8	53.0	53.0	53.1	53.1	53.2	53.4	53.4	53.5	53.6	53.8	53.8
≥ 16000	47.8	51.8	51.7	52.6	53.0	53.1	53.1	53.2	53.2	53.4	53.5	53.5	53.6	53.8	53.9	53.9
≥ 14000	48.8	51.7	52.7	53.5	53.9	54.0	54.0	54.2	54.2	54.3	54.4	54.4	54.6	54.7	54.8	54.8
≥ 12000	50.1	53.1	54.0	54.8	55.2	55.4	55.4	55.5	55.5	55.6	55.8	55.8	55.9	56.0	56.2	56.2
≥ 10000	53.4	56.3	57.3	58.1	58.5	58.6	58.6	58.7	58.7	58.9	59.0	59.0	59.1	59.3	59.4	59.4
≥ 9000	55.0	57.9	58.9	59.7	60.1	60.2	60.2	60.3	60.3	60.5	60.6	60.6	60.8	60.9	61.0	61.0
≥ 8000	56.2	59.1	60.1	60.9	61.3	61.4	61.4	61.6	61.6	61.7	61.8	61.8	62.0	62.1	62.2	62.2
≥ 7000	58.1	61.2	62.1	62.9	63.3	63.4	63.4	63.6	63.6	63.7	63.8	63.8	64.0	64.1	64.2	64.2
≥ 6000	60.1	63.3	64.2	65.1	65.5	65.6	65.6	65.7	65.7	66.0	66.1	66.1	66.3	66.4	66.5	66.5
≥ 5000	61.0	64.4	65.7	66.7	67.3	67.5	67.5	67.6	67.6	67.9	68.0	68.0	68.1	68.3	68.4	68.4
≥ 4500	62.1	65.5	66.8	67.7	68.4	68.5	68.5	68.7	68.7	69.0	69.1	69.1	69.2	69.4	69.5	69.5
≥ 4000	64.1	67.7	69.2	70.3	71.1	71.2	71.2	71.4	71.4	71.6	71.8	71.8	71.9	72.0	72.2	72.2
≥ 3500	64.9	68.5	70.2	71.2	72.0	72.3	72.3	72.4	72.4	72.7	72.8	72.8	73.0	73.1	73.3	73.3
≥ 3000	66.9	70.7	72.4	73.5	74.3	74.6	74.6	74.7	74.7	75.0	75.1	75.1	75.3	75.4	75.5	75.5
≥ 2500	68.4	72.7	74.5	75.5	76.5	76.7	76.7	76.9	76.9	77.2	77.3	77.3	77.4	77.6	77.7	77.7
≥ 2000	70.2	75.8	77.8	79.2	80.1	80.4	80.4	80.5	80.5	80.9	81.0	81.0	81.3	81.5	81.6	81.6
≥ 1800	71.0	77.0	79.2	80.5	81.5	81.7	81.7	81.9	81.9	82.3	82.4	82.4	82.7	82.8	82.9	82.9
≥ 1500	71.4	77.7	80.2	81.6	82.5	82.8	82.8	82.9	83.1	83.1	83.5	83.6	83.6	83.9	84.0	84.1
≥ 1200	72.4	79.3	82.1	83.9	84.9	85.3	85.6	85.8	85.8	86.2	86.3	86.3	86.6	86.7	86.9	87.0
≥ 1000	73.3	80.5	83.5	85.5	86.6	87.1	87.4	87.8	87.8	88.2	88.3	88.3	88.6	88.7	88.9	89.0
≥ 900	73.4	80.6	83.6	85.6	86.7	87.5	87.8	88.3	88.3	88.7	88.8	88.8	89.1	89.2	89.4	89.5
≥ 800	73.4	80.6	83.6	85.8	87.0	88.0	88.6	89.4	89.4	89.8	90.1	90.1	90.5	90.6	90.7	90.9
≥ 700	73.4	80.8	83.7	86.0	87.4	88.4	89.0	89.8	89.8	90.2	90.5	90.5	90.9	91.0	91.1	91.3
≥ 600	73.7	81.0	84.0	86.3	87.6	88.7	89.4	90.2	90.2	90.9	91.1	91.1	91.7	91.8	91.9	92.1
≥ 500	73.7	81.2	84.1	86.7	88.6	89.7	90.6	91.4	91.4	92.2	92.5	92.5	93.0	93.1	93.5	93.7
≥ 400	73.7	81.5	84.4	87.1	89.1	90.2	91.3	92.1	92.1	93.0	93.3	93.3	93.8	94.0	94.4	94.5
≥ 300	73.7	81.7	84.8	87.6	89.8	90.9	91.9	92.7	92.9	94.0	94.5	94.5	95.0	95.2	95.7	95.8
≥ 200	73.7	81.9	84.9	87.8	89.9	91.0	92.1	92.9	93.0	94.6	95.4	95.4	96.4	96.6	97.6	97.8
≥ 100	73.7	81.9	84.9	87.8	89.9	91.0	92.1	92.9	93.0	94.8	95.7	95.7	96.8	97.0	99.1	99.7
≥ 0	73.7	81.9	84.9	87.8	89.9	91.0	92.1	92.9	93.0	94.8	95.7	95.7	96.8	97.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-14	HECTOR APT FARGO ND	74-81	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	46.4	49.5	50.3	50.4	50.7	50.9	51.3	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.7
≥ 20000	50.5	54.0	54.6	55.0	55.2	55.5	55.9	55.9	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.5
≥ 18000	50.7	54.4	55.1	55.4	55.6	55.9	56.3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.9
≥ 16000	51.1	54.7	55.2	55.6	55.9	56.2	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.1
≥ 14000	52.3	55.9	56.5	56.9	57.1	57.4	57.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.3
≥ 12000	52.9	56.5	57.1	57.4	57.7	57.9	58.3	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.9
≥ 10000	54.3	58.1	58.7	59.1	59.4	59.7	60.1	60.1	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.6
≥ 9000	55.3	59.5	60.2	60.6	60.9	61.2	61.6	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.1
≥ 8000	56.5	60.3	61.0	61.4	61.7	62.0	62.4	62.4	62.4	62.8	62.8	62.8	62.9	62.9	62.9	63.0
≥ 7000	59.3	62.2	62.9	63.3	63.6	63.8	64.2	64.2	64.2	64.7	64.7	64.7	64.8	64.8	64.8	64.9
≥ 6000	59.7	62.9	63.7	64.1	64.4	64.7	65.1	65.1	65.1	65.5	65.5	65.5	65.6	65.6	65.6	65.7
≥ 5000	59.7	63.8	64.7	65.1	65.5	65.7	66.1	66.1	66.1	66.5	66.5	66.5	66.7	66.7	66.7	66.8
≥ 4500	61.6	65.9	66.7	67.1	67.5	67.7	68.3	68.3	68.3	68.7	68.7	68.7	68.8	68.8	68.8	69.0
≥ 4000	63.2	68.0	68.8	69.2	69.9	70.3	70.8	70.8	70.8	71.2	71.4	71.4	71.5	71.5	71.5	71.6
≥ 3500	64.7	68.8	69.8	70.3	71.0	71.4	71.9	71.9	71.9	72.3	72.4	72.4	72.6	72.6	72.6	72.7
≥ 3000	65.6	70.4	71.6	72.2	73.1	73.5	74.1	74.1	74.1	74.5	74.6	74.6	74.7	74.7	74.7	74.9
≥ 2500	66.9	72.3	74.1	74.6	75.5	75.9	76.6	76.9	76.9	77.3	77.4	77.4	77.6	77.6	77.6	77.7
≥ 2000	69.4	75.4	77.3	77.8	78.9	79.3	80.0	80.5	80.5	81.0	81.3	81.3	81.5	81.5	81.5	81.6
≥ 1800	69.8	76.1	78.2	78.8	80.1	80.5	81.2	81.7	81.7	82.4	82.7	82.7	82.8	82.8	82.8	82.9
≥ 1500	70.8	77.6	80.0	80.8	82.1	82.5	83.2	83.9	83.9	84.7	84.9	84.9	85.1	85.1	85.1	85.5
≥ 1200	71.5	78.6	81.2	82.0	83.3	84.0	84.8	85.6	85.6	86.6	87.0	87.0	87.1	87.1	87.1	87.6
≥ 1000	72.0	79.8	82.3	83.6	84.9	85.6	86.6	87.4	87.4	88.4	88.8	88.8	89.1	89.1	89.1	89.7
≥ 900	72.7	80.5	83.6	84.8	86.2	86.8	87.9	88.8	88.8	90.1	90.5	90.5	90.7	90.7	90.7	91.3
≥ 800	72.7	80.8	84.0	85.3	86.8	87.5	88.6	89.5	89.5	90.9	91.3	91.4	91.7	91.7	91.7	92.2
≥ 700	72.7	81.0	84.8	86.4	88.2	88.8	89.9	90.9	90.9	92.2	92.6	92.7	93.0	93.0	93.0	93.5
≥ 600	72.7	81.2	84.9	86.6	88.3	89.0	90.1	91.1	91.1	92.6	93.0	93.1	93.4	93.4	93.4	94.0
≥ 500	72.7	81.3	85.1	86.8	88.6	89.2	90.5	91.5	91.5	93.1	93.5	93.7	94.1	94.1	94.1	94.6
≥ 400	72.7	81.5	85.3	87.2	89.0	89.7	91.0	92.7	92.7	94.5	95.2	95.3	95.7	95.7	95.7	96.2
≥ 300	72.7	81.5	85.3	87.5	89.2	89.9	91.3	93.1	93.1	94.9	95.6	95.9	96.5	96.5	96.5	97.0
≥ 200	72.7	81.5	85.3	87.5	89.2	89.9	91.4	93.7	93.7	95.7	96.9	97.2	98.0	98.1	98.1	98.7
≥ 100	72.7	81.5	85.3	87.5	89.2	89.9	91.4	93.7	93.7	95.7	96.9	97.2	98.0	98.1	98.5	99.6
≥ 0	72.7	81.5	85.3	87.5	89.2	89.9	91.4	93.7	93.7	95.7	96.9	97.2	98.0	98.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 914 | HECTOR APT FARGO ND | 74-81 | MAR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	≥0
NO CEILING	49.7	51.5	51.7	51.9	52.8	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	53.1	56.0	56.3	56.5	57.4	57.4	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	54.4	56.7	57.1	57.1	58.1	58.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	54.4	56.7	57.1	57.1	58.1	58.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000	54.6	56.9	57.1	57.3	58.2	58.2	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000	55.2	57.8	58.1	58.2	59.1	59.1	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 10000	56.5	59.0	59.3	59.4	60.5	60.5	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	57.3	59.8	60.1	60.2	61.3	61.3	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	57.8	60.3	60.6	60.8	61.8	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000	58.5	61.0	61.3	61.4	62.5	62.5	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	59.1	61.7	62.0	62.1	63.2	63.2	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000	60.5	63.2	63.4	63.6	64.7	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 4500	60.9	63.4	63.7	63.8	64.9	65.1	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4000	61.6	64.5	64.9	65.1	66.3	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3500	62.4	65.3	65.7	65.9	67.1	67.2	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	64.9	67.9	68.4	68.7	69.9	70.2	70.6	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	66.9	70.7	71.2	71.5	72.7	73.0	73.4	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2000	70.6	75.0	75.7	75.9	77.3	77.7	78.2	78.5	78.5	78.8	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	71.8	76.9	77.6	77.8	79.2	79.7	80.2	80.6	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	72.8	79.3	80.0	80.8	82.1	82.7	83.5	84.0	84.1	84.5	84.8	84.8	84.8	84.8	84.8	84.9
≥ 1200	74.2	81.0	81.7	82.9	84.3	84.8	85.8	86.3	86.4	87.1	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	75.1	82.4	83.1	84.3	85.6	86.2	87.1	87.9	88.0	88.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 900	75.4	83.2	84.1	85.8	87.2	87.8	88.7	89.7	89.8	90.7	91.8	91.8	91.9	91.9	91.9	91.9
≥ 800	75.9	84.1	85.1	87.0	88.6	89.2	90.2	91.4	91.5	92.6	94.0	94.0	94.1	94.1	94.1	94.1
≥ 700	76.6	85.1	86.0	88.0	89.8	90.5	91.5	92.9	93.0	94.2	95.7	95.7	95.8	95.8	95.8	95.8
≥ 600	76.6	85.1	86.0	88.2	89.9	90.6	91.8	93.5	93.7	95.0	96.5	96.5	96.6	96.6	96.6	96.6
≥ 500	76.6	85.1	86.0	88.2	89.9	90.6	91.8	93.8	94.0	95.3	96.9	96.9	97.0	97.0	97.0	97.0
≥ 400	76.6	85.1	86.0	88.6	90.5	91.1	92.3	94.4	94.5	95.8	97.4	97.6	97.7	97.7	97.8	98.0
≥ 300	76.6	85.1	86.0	88.6	90.5	91.1	92.3	94.4	94.5	95.8	97.4	97.6	97.7	97.7	98.3	98.4
≥ 200	76.6	85.1	86.0	88.6	90.5	91.1	92.5	94.5	94.6	96.0	97.8	98.3	98.5	98.5	99.2	99.3
≥ 100	76.6	85.1	86.0	88.6	90.5	91.1	92.5	94.5	94.6	96.0	97.8	98.3	98.7	98.7	99.9	100.0
≥ 0	76.6	85.1	86.0	88.6	90.5	91.1	92.5	94.5	94.6	96.0	97.8	98.3	98.7	98.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAR — MONTH
1500-1700 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	46.1	47.4	47.7	47.7	48.5	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	52.4	54.4	54.7	54.8	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 18000	53.1	55.1	55.4	55.5	56.3	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 16000	53.1	55.1	55.4	55.5	56.3	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 14000	53.5	55.5	55.8	55.9	56.7	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	54.3	56.9	57.1	57.4	58.2	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000	55.3	58.2	58.5	58.7	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	57.7	59.9	60.2	60.5	61.3	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000	58.7	61.0	61.6	61.8	62.6	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 7000	59.7	62.1	62.4	62.9	63.7	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 6000	60.9	63.3	63.6	64.0	64.8	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	61.2	63.7	64.2	64.7	65.5	65.5	65.7	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0
≥ 4500	61.3	64.0	64.5	64.9	65.7	65.9	66.1	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4
≥ 4000	62.1	65.6	66.1	66.7	67.5	67.6	67.9	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1
≥ 3500	63.3	66.1	66.7	67.2	68.0	68.1	68.4	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.7	68.7
≥ 3000	66.0	69.5	70.0	70.6	71.5	71.6	71.9	72.0	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4
≥ 2500	69.1	72.7	73.3	73.8	74.9	75.0	75.3	75.4	75.4	75.7	75.7	75.8	75.8	75.8	75.8	75.8
≥ 2000	72.3	76.5	77.3	78.0	79.0	79.2	79.7	79.8	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2
≥ 1800	73.3	77.8	78.6	79.3	80.6	80.8	81.3	81.7	81.7	82.0	82.0	82.1	82.1	82.1	82.1	82.1
≥ 1500	75.9	80.6	81.7	82.7	84.0	84.3	84.9	85.8	85.8	86.0	86.2	86.3	86.3	86.3	86.3	86.3
≥ 1200	76.5	82.1	83.6	84.5	86.0	86.4	87.1	88.2	88.2	88.4	88.6	88.7	88.7	88.7	88.7	88.7
≥ 1000	77.1	82.8	84.3	85.3	87.0	87.4	88.3	89.5	89.7	90.3	90.5	90.6	90.6	90.6	90.6	90.6
≥ 900	77.8	83.7	85.6	86.7	88.3	88.7	89.7	91.0	91.1	91.8	92.1	92.2	92.2	92.2	92.2	92.2
≥ 800	77.8	84.0	86.0	87.2	89.0	89.4	90.3	91.7	91.8	92.5	92.7	92.9	93.0	93.0	93.0	93.0
≥ 700	77.8	84.4	86.6	87.9	89.7	90.1	91.5	92.9	93.0	93.7	94.0	94.1	94.2	94.2	94.2	94.2
≥ 600	77.8	84.4	86.6	88.0	89.8	90.6	92.2	94.0	94.1	94.9	95.2	95.3	95.4	95.4	95.4	95.4
≥ 500	77.8	84.4	86.8	88.3	90.1	91.0	92.9	94.6	94.8	96.2	96.5	96.6	96.8	96.8	96.8	96.8
≥ 400	77.8	84.4	86.8	88.3	90.2	91.3	93.3	95.2	95.3	97.0	97.6	97.7	97.8	98.1	98.1	98.1
≥ 300	77.8	84.4	86.8	88.3	90.2	91.3	93.4	95.4	95.6	97.6	98.4	98.5	98.7	98.9	99.1	99.1
≥ 200	77.8	84.4	86.8	88.3	90.2	91.3	93.5	95.8	96.0	98.0	98.8	98.9	99.2	99.6	99.7	99.7
≥ 100	77.8	84.4	86.8	88.3	90.2	91.3	93.5	95.8	96.0	98.0	98.8	98.9	99.2	99.6	100.0	100.0
≥ 0	77.8	84.4	86.8	88.3	90.2	91.3	93.5	95.8	96.0	98.0	98.8	98.9	99.2	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 014 | HECTOR ARPT FARGO ND | 74-81 | MAR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	53.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	56.9	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 18000	56.9	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 16000	56.9	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 14000	57.3	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 12000	59.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 10000	60.6	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 9000	61.7	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	65.2	65.2
≥ 8000	62.7	66.0	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
≥ 7000	64.5	68.0	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	65.7	69.5	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
≥ 5000	66.4	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500	66.8	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	67.3	71.9	72.2	72.2	72.2	72.2	72.3	72.4	72.4	72.4	72.4	72.6	72.7	72.7	72.7	72.7
≥ 3500	69.1	72.3	72.6	72.6	72.6	72.6	72.7	72.8	72.8	72.8	72.8	73.0	73.1	73.1	73.1	73.1
≥ 3000	70.2	74.5	74.7	74.9	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.3	75.4	75.4	75.4	75.4
≥ 2500	71.8	76.6	76.9	77.2	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.6	77.7	77.7	77.7	77.7
≥ 2000	76.3	81.6	81.9	82.3	82.5	82.5	82.8	82.9	82.9	82.9	82.9	83.1	83.2	83.2	83.2	83.2
≥ 1800	77.2	82.4	82.8	83.2	83.5	83.5	83.7	83.9	84.0	84.0	84.0	84.1	84.3	84.3	84.3	84.3
≥ 1500	78.9	84.1	84.7	85.1	85.3	85.8	86.0	86.4	86.6	86.6	86.6	86.7	86.8	86.8	86.8	86.8
≥ 1200	79.1	84.7	85.2	85.8	86.2	86.6	87.0	87.4	87.5	87.5	87.5	87.6	87.8	87.8	87.8	87.8
≥ 1000	79.3	85.6	86.4	87.1	87.6	88.0	89.0	89.5	89.7	89.8	89.8	89.9	90.1	90.1	90.1	90.1
≥ 900	79.7	86.3	87.0	87.6	88.2	88.6	89.5	90.2	90.5	91.0	91.0	91.1	91.3	91.3	91.3	91.3
≥ 800	80.1	86.4	87.4	88.3	89.0	89.4	90.3	91.0	91.3	91.8	91.8	91.9	92.1	92.1	92.1	92.1
≥ 700	80.2	87.1	88.2	89.1	89.9	90.3	91.3	92.2	92.5	93.0	93.1	93.3	93.4	93.4	93.4	93.4
≥ 600	80.4	87.2	88.3	89.2	90.1	90.5	91.5	92.7	93.0	93.7	93.8	94.0	94.1	94.1	94.1	94.1
≥ 500	80.5	87.6	88.7	89.7	90.5	91.4	92.9	94.4	94.6	95.7	96.0	96.1	96.2	96.2	96.2	96.2
≥ 400	80.5	87.6	88.7	89.7	90.6	91.7	93.4	95.2	95.4	96.8	97.0	97.2	97.3	97.3	97.3	97.3
≥ 300	80.5	87.8	89.1	90.1	91.0	92.1	94.1	96.0	96.2	98.0	98.4	98.5	98.9	99.1	99.5	99.5
≥ 200	80.5	87.8	89.1	90.1	91.1	92.2	94.4	96.2	96.5	98.3	98.7	98.8	99.3	99.5	99.9	99.9
≥ 100	80.5	87.8	89.1	90.1	91.1	92.2	94.4	96.2	96.5	98.3	98.7	98.8	99.3	99.5	100.0	100.0
≥ 0	80.5	87.8	89.1	90.1	91.1	92.2	94.4	96.2	96.5	98.3	98.7	98.8	99.3	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

CL[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
AI[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | HECTOR APT FARGO ND | 74-81 | MAR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	54.2	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	56.4	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	56.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000	56.7	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	56.7	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000	56.7	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 12000	57.6	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 10000	61.1	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 9000	61.4	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 8000	63.1	64.9	65.0	65.1	65.1	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	65.4	67.2	67.3	67.7	67.7	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	66.6	68.4	68.5	68.9	68.9	69.0	69.0	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	67.6	69.4	69.6	70.0	70.0	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	68.2	70.7	70.9	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	70.3	72.9	73.2	73.8	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	70.8	73.6	73.9	74.4	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	74.3	77.1	77.5	78.2	78.2	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	75.8	79.7	80.2	80.9	80.9	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	77.4	81.4	82.2	83.2	83.2	83.3	83.4	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1800	78.5	82.5	83.3	84.4	84.4	84.5	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	79.3	83.8	84.7	85.7	85.7	85.9	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	80.1	85.7	86.8	87.9	88.0	88.4	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	80.5	86.1	87.2	88.3	88.7	89.1	89.8	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 900	81.1	86.7	87.9	89.1	89.6	90.0	90.8	91.0	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	81.3	87.1	88.3	89.6	90.2	90.7	91.5	91.8	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	81.3	87.1	88.3	89.6	90.2	90.7	91.5	92.1	92.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	81.4	87.6	89.4	90.7	91.3	91.8	92.7	93.7	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	81.6	88.3	90.2	91.8	92.7	93.4	94.5	95.6	95.6	96.4	96.4	96.5	96.5	96.5	96.5	96.5
≥ 400	81.6	88.3	90.2	91.8	92.7	93.4	94.9	96.2	96.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4
≥ 300	81.6	88.3	90.6	92.2	93.5	94.3	95.8	97.3	97.3	98.3	98.5	98.7	99.2	99.5	99.6	99.6
≥ 200	81.6	88.3	90.6	92.2	93.5	94.3	95.8	97.3	97.3	98.3	98.5	98.7	99.2	99.6	99.7	99.7
≥ 100	81.6	88.3	90.6	92.2	93.5	94.3	95.8	97.3	97.3	98.3	98.5	98.7	99.2	99.6	100.0	100.0
≥ 0	81.6	88.3	90.6	92.2	93.5	94.3	95.8	97.3	97.3	98.3	98.5	98.7	99.2	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 743

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 -14 (STATION) HECTOR APT FARGO ND (STATION NAME) 74-81 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.9	51.0	51.4	51.7	52.0	52.1	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.4
≥ 20000	52.[illegible]	55.3	55.7	56.0	56.4	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.8
≥ 18000	53.2	55.7	56.1	56.4	56.8	56.8	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	53.2	55.7	56.2	56.5	56.8	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2
≥ 14000	53.7	56.3	56.7	57.0	57.4	57.4	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.8
≥ 12000	54.[illegible]	57.5	57.9	58.3	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.0
≥ 10000	57.2	59.9	60.4	60.7	61.1	61.1	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 9000	58.4	61.1	61.6	61.9	62.3	62.3	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	59.3	62.1	62.6	62.9	63.3	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.7
≥ 7000	61.1	64.0	64.5	64.8	65.2	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6
≥ 6000	62.5	65.4	66.0	66.4	66.7	66.8	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2
≥ 5000	63.5	66.6	67.3	67.7	68.1	68.2	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.6	68.6
≥ 4500	64.4	67.7	68.3	68.8	69.2	69.3	69.4	69.5	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7
≥ 4000	66.1	69.6	70.3	70.8	71.3	71.4	71.6	71.7	71.7	71.8	71.8	71.9	71.9	71.9	71.9	72.0
≥ 3500	66.8	70.4	71.2	71.7	72.2	72.3	72.5	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8
≥ 3000	69.2	73.0	73.8	74.4	75.0	75.1	75.3	75.4	75.4	75.5	75.6	75.6	75.7	75.7	75.7	75.7
≥ 2500	71.3	75.3	76.3	77.0	77.6	77.7	77.9	78.1	78.1	78.2	78.3	78.3	78.3	78.4	78.4	78.4
≥ 2000	73.7	78.7	79.8	80.6	81.3	81.5	81.8	82.0	82.0	82.2	82.3	82.3	82.4	82.4	82.4	82.4
≥ 1800	74.5	79.8	81.[illegible]	81.8	82.6	82.8	83.1	83.3	83.3	83.6	83.7	83.7	83.8	83.8	83.[illegible]	83.8
≥ 1500	75.6	81.3	82.7	83.8	84.6	84.8	85.2	85.5	85.5	85.9	86.0	86.0	86.1	86.1	86.1	86.2
≥ 1200	76.3	82.5	84.1	85.3	86.2	86.5	87.0	87.4	87.4	87.7	87.9	87.9	88.0	88.0	88.0	88.1
≥ 1000	76.8	83.6	85.3	86.6	87.6	88.0	88.6	89.1	89.2	89.6	89.8	89.9	90.0	90.0	90.0	90.1
≥ 900	77.2	84.1	86.0	87.4	88.4	88.9	89.5	90.1	90.2	90.8	91.0	91.1	91.2	91.2	91.2	91.3
≥ 800	77.4	84.5	86.4	88.1	89.2	89.7	90.4	91.1	91.2	91.9	92.2	92.3	92.4	92.4	92.4	92.5
≥ 700	77.6	84.9	86.9	88.7	89.9	90.4	91.3	92.1	92.2	92.9	93.2	93.3	93.4	93.4	93.4	93.5
≥ 600	77.6	85.0	87.1	89.0	90.2	90.8	91.7	92.8	92.9	93.7	94.1	94.1	94.3	94.3	94.3	94.4
≥ 500	77.7	85.3	87.4	89.5	90.9	91.6	92.7	93.8	94.0	95.0	95.4	95.5	95.7	95.7	95.8	95.8
≥ 400	77.7	85.3	87.5	89.7	91.2	91.9	93.3	94.6	94.7	95.9	96.4	96.5	96.7	96.7	96.8	96.9
≥ 300	77.7	85.5	87.8	90.0	91.6	92.3	93.8	95.2	95.3	96.6	97.3	97.4	97.7	97.6	98.1	98.2
≥ 200	77.7	85.5	87.8	90.1	91.7	92.4	93.9	95.4	95.5	97.0	97.8	97.9	98.4	98.6	99.0	99.2
≥ 100	77.7	85.5	87.8	90.1	91.7	92.4	93.9	95.4	95.5	97.1	97.8	98.0	98.6	98.8	99.6	99.5
≥ 0	77.7	85.5	87.8	90.1	91.7	92.4	93.9	95.4	95.5	97.1	97.8	98.0	98.6	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5951

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	74-81	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	52.6	53.2	53.8	54.4	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.1
≥ 20000	55.7	56.3	56.8	57.5	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.2
≥ 18000	56.4	56.9	57.5	58.2	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.9
≥ 16000	56.4	56.9	57.5	58.2	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.9
≥ 14000	56.9	57.5	58.1	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.4
≥ 12000	58.2	58.8	59.4	60.3	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1
≥ 10000	61.8	62.5	63.2	64.0	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.9
≥ 9000	62.9	63.6	64.3	65.1	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	66.0
≥ 8000	64.7	65.4	66.1	66.9	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.8
≥ 7000	67.8	68.5	69.2	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.8
≥ 6000	70.0	70.8	71.5	72.4	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.2
≥ 5000	72.6	73.5	74.2	75.0	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	76.0
≥ 4500	74.0	75.0	75.7	76.5	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.5
≥ 4000	75.6	76.7	77.4	78.2	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	79.2
≥ 3500	75.7	76.8	77.5	78.3	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	79.3
≥ 3000	77.6	78.8	79.4	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9	81.4
≥ 2500	79.6	80.8	81.7	82.6	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.8
≥ 2000	81.0	82.2	83.2	84.3	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.6
≥ 1800	81.7	83.1	84.0	85.1	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.5
≥ 1500	83.1	85.0	86.0	87.1	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	88.5
≥ 1200	84.7	86.7	87.6	89.0	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.3	90.8
≥ 1000	86.3	88.2	89.4	90.8	91.5	91.5	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.2	92.8
≥ 900	86.7	88.8	90.0	91.4	92.1	92.1	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.9	93.5
≥ 800	87.2	89.3	90.7	92.1	92.9	92.9	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.8	94.3
≥ 700	87.6	90.3	91.8	93.3	94.3	94.3	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.7
≥ 600	87.8	90.7	92.4	94.2	95.1	95.1	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.3	96.8
≥ 500	88.1	91.0	92.6	94.4	95.4	95.4	96.3	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.7	97.2
≥ 400	88.3	91.4	93.2	95.0	96.0	96.0	96.8	96.8	96.8	97.1	97.1	97.1	97.2	97.2	97.4	97.9
≥ 300	88.5	91.8	93.6	95.7	96.8	96.8	97.6	97.6	97.6	98.2	98.2	98.2	98.6	98.6	98.8	99.3
≥ 200	88.5	91.8	93.6	95.7	96.8	96.8	98.1	98.2	98.2	98.9	98.9	98.9	99.3	99.3	99.4	100.0
≥ 100	88.5	91.8	93.6	95.7	96.8	96.8	98.1	98.2	98.2	98.9	98.9	98.9	99.3	99.3	99.4	100.0
≥ 0	88.5	91.8	93.6	95.7	96.8	96.8	98.1	98.2	98.2	98.9	98.9	98.9	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible]EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1[illegible]14	HECTOR APT FARGO ND	74-81	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.9	50.8	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.9	52.2
≥ 20000	52.1	53.1	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.2	54.4
≥ 18000	52.2	53.2	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.6
≥ 16000	52.2	53.2	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.6
≥ 14000	53.1	54.0	54.2	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.3	55.6
≥ 12000	54.4	55.4	55.6	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.7	56.9
≥ 10000	57.1	58.3	58.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.9	60.1
≥ 9000	58.3	59.6	59.9	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.1	61.4
≥ 8000	60.1	61.4	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.9	63.2
≥ 7000	63.1	64.4	64.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.0	66.3
≥ 6000	65.4	66.8	67.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.3	68.6
≥ 5000	66.8	68.3	68.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.9	70.1
≥ 4500	68.8	70.4	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9	72.2
≥ 4000	71.3	72.6	73.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.4	74.7
≥ 3500	71.8	73.5	73.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.3	75.6
≥ 3000	74.4	76.3	76.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.1	78.1	78.3	78.6
≥ 2500	77.6	79.7	80.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.7	81.7	81.9	82.2
≥ 2000	79.4	81.5	82.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.5	83.5	83.8	84.0
≥ 1800	80.0	82.2	82.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2	84.4	84.7
≥ 1500	81.8	84.6	85.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.8	87.1
≥ 1200	83.2	86.1	86.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.5	88.5	88.8	89.0
≥ 1000	84.2	87.5	88.6	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.1	90.1	90.4	90.7
≥ 900	85.3	88.9	90.0	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.8	91.8	92.1	92.4
≥ 800	85.4	89.2	90.6	91.7	92.1	92.1	92.4	92.4	92.4	92.4	92.5	92.5	92.8	92.8	93.1	93.3
≥ 700	85.6	89.7	91.1	92.2	92.8	92.8	93.1	93.1	93.1	93.2	93.3	93.3	93.6	93.6	93.9	94.2
≥ 600	85.6	89.9	91.5	92.6	93.5	93.5	93.8	93.8	93.8	94.0	94.2	94.2	94.4	94.4	94.7	95.0
≥ 500	85.7	90.1	91.8	93.1	94.0	94.2	94.4	94.4	94.4	94.9	95.0	95.0	95.3	95.3	95.6	95.8
≥ 400	86.0	90.7	92.4	93.6	94.7	94.9	95.3	95.4	95.4	95.8	96.0	96.0	96.3	96.3	96.5	96.8
≥ 300	86.1	91.0	92.6	94.2	95.7	95.8	96.3	96.4	96.4	96.8	96.9	96.9	97.2	97.2	97.5	98.1
≥ 200	86.1	91.0	92.6	94.3	95.8	96.0	96.5	96.8	96.8	97.4	97.8	97.8	98.5	98.5	98.8	99.3
≥ 100	86.1	91.0	92.6	94.3	95.8	96.0	96.5	96.9	96.9	97.8	98.2	98.2	98.9	98.9	99.2	100.0
≥ 0	86.1	91.0	92.6	94.3	95.8	96.0	96.5	96.9	96.9	97.8	98.2	98.2	98.9	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 72[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 014 | HECTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.6	46.4	46.5	46.7	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.8
≥ 20000	48.9	51.3	51.1	51.3	51.8	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.4
≥ 18000	49.2	51.3	51.4	51.5	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.6
≥ 16000	49.2	51.3	51.4	51.5	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.6
≥ 14000	49.7	51.8	51.9	52.1	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.5
≥ 12000	50.6	52.6	52.9	53.1	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.4
≥ 10000	55.0	57.5	57.9	58.2	58.9	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.9
≥ 9000	55.4	58.2	58.6	58.9	59.6	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.6
≥ 8000	56.7	59.6	60.0	60.3	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.9
≥ 7000	58.9	62.1	62.5	62.8	63.5	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.4
≥ 6000	60.6	64.0	64.7	65.0	65.8	66.1	66.7	66.7	66.7	67.1	67.1	67.1	67.2	67.2	67.4	67.5
≥ 5000	62.2	66.1	67.1	67.4	68.2	68.5	69.0	69.0	69.0	69.6	69.6	69.6	69.7	69.7	69.9	70.0
≥ 4500	63.8	68.2	69.2	69.4	70.3	70.6	71.1	71.1	71.1	71.7	71.7	71.7	71.8	71.8	71.9	72.2
≥ 4000	65.1	70.1	71.1	71.4	72.2	72.6	73.2	73.2	73.2	73.8	73.8	73.8	73.9	73.9	74.0	74.3
≥ 3500	65.9	71.0	71.9	72.2	73.1	73.5	74.0	74.0	74.0	74.6	74.6	74.6	74.7	74.7	74.9	75.1
≥ 3000	67.1	72.2	73.2	73.5	74.3	74.7	75.3	75.3	75.3	75.8	75.8	75.8	76.0	76.0	76.1	76.4
≥ 2500	70.3	75.8	76.8	77.1	77.9	78.3	79.2	79.2	79.2	79.7	79.7	79.7	79.9	79.9	80.0	80.3
≥ 2000	72.2	78.1	79.2	79.6	80.4	80.8	81.8	81.8	81.8	82.4	82.4	82.4	82.5	82.5	62.6	82.9
≥ 1800	72.9	79.8	79.9	80.3	81.3	81.7	82.6	82.6	82.6	83.2	83.3	83.3	83.5	83.5	83.6	83.9
≥ 1500	74.4	80.6	81.7	82.2	83.2	83.6	84.6	84.6	84.6	85.1	85.3	85.3	85.4	85.4	85.6	85.8
≥ 1200	75.6	82.9	84.3	84.9	86.0	86.5	87.5	87.5	87.5	88.1	88.2	88.2	88.3	88.3	88.5	88.8
≥ 1000	76.3	84.7	86.3	86.9	88.1	88.6	89.7	90.3	90.3	90.8	91.0	91.0	91.1	91.1	91.3	91.5
≥ 900	76.9	86.0	87.5	88.3	89.4	90.0	91.1	91.7	91.7	92.2	92.4	92.4	92.5	92.5	92.6	92.9
≥ 800	76.9	86.4	87.9	88.8	89.9	90.6	91.7	92.4	92.4	92.9	93.1	93.1	93.3	93.3	93.5	93.8
≥ 700	77.2	86.9	88.5	89.6	90.8	91.7	92.8	93.5	93.5	94.0	94.2	94.2	94.4	94.4	94.6	94.9
≥ 600	77.4	87.2	88.8	89.9	91.3	92.1	93.3	94.0	94.0	94.7	94.9	94.9	95.1	95.1	95.3	95.6
≥ 500	77.4	87.6	89.2	90.3	91.8	92.6	93.9	94.6	94.6	95.3	95.6	95.6	95.8	95.8	96.0	96.3
≥ 400	77.4	87.8	89.3	90.7	92.4	93.2	94.6	95.3	95.3	96.1	96.4	96.4	96.7	96.7	96.8	97.1
≥ 300	77.4	87.8	89.4	90.8	92.5	93.3	94.7	95.6	95.6	96.4	96.8	96.8	97.1	97.1	97.4	97.6
≥ 200	77.4	87.8	89.4	91.0	92.6	93.5	94.9	95.7	95.7	96.8	97.4	97.4	97.8	97.8	98.2	99.2
≥ 100	77.4	87.8	89.4	91.0	92.6	93.5	94.9	95.7	95.7	96.8	97.4	97.4	97.8	97.8	98.5	99.9
≥ 0	77.4	87.8	89.4	91.0	92.6	93.5	94.9	95.7	95.7	96.8	97.4	97.4	97.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	74-81	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	46.7	49.2	49.4	49.4	49.7	49.9	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	51.3	53.5	53.8	53.8	54.3	54.6	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	51.3	53.6	53.9	53.9	54.4	54.7	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	51.3	53.9	54.2	54.2	54.7	55.0	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	51.9	54.6	54.9	54.9	55.4	55.7	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	53.6	56.4	56.7	56.7	57.2	57.5	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	55.7	58.5	58.8	58.8	59.3	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	56.7	59.4	59.7	59.7	60.3	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	57.2	60.3	60.6	60.6	61.1	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	59.6	63.2	63.5	63.5	64.0	64.3	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	60.3	64.3	64.6	64.6	65.1	65.8	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	61.3	65.8	66.3	66.4	66.9	67.6	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	62.1	66.8	67.2	67.4	67.9	68.6	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4000	63.8	68.6	69.4	69.7	70.4	71.1	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	64.3	69.4	70.3	70.6	71.3	71.9	72.5	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	65.7	71.1	71.9	72.2	73.1	73.8	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	66.9	72.5	73.3	73.6	74.6	75.3	75.8	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2000	69.6	75.3	76.4	76.8	77.8	78.5	79.0	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	70.4	76.4	77.8	78.2	79.2	80.0	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1500	71.8	78.2	79.6	80.1	81.3	82.1	82.9	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	73.3	80.4	81.9	82.9	84.2	85.0	86.0	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	75.4	84.3	85.6	86.5	87.9	88.8	89.9	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	76.7	85.8	87.5	88.6	90.0	90.8	91.9	92.4	92.4	93.2	93.2	93.2	93.3	93.3	93.3	93.3
≥ 800	76.9	86.7	88.3	89.4	91.0	91.8	92.9	93.3	93.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 700	77.1	87.4	89.0	90.1	91.8	92.6	93.8	94.3	94.3	95.3	95.3	95.3	95.6	95.6	95.6	95.6
≥ 600	77.1	87.4	89.0	90.1	91.8	92.6	93.9	94.4	94.4	95.4	95.4	95.4	95.7	95.7	95.7	95.7
≥ 500	77.2	87.6	89.4	90.7	92.5	93.3	95.0	95.6	95.6	96.5	96.5	96.5	96.8	96.8	96.8	96.8
≥ 400	77.2	87.9	89.7	91.1	92.9	93.8	95.8	96.5	96.5	97.8	97.8	97.8	98.1	98.1	98.2	98.2
≥ 300	77.2	87.9	89.7	91.3	93.1	94.0	96.1	96.8	96.8	98.2	98.5	98.5	98.8	98.8	98.9	98.9
≥ 200	77.2	88.1	89.9	91.4	93.2	94.2	96.3	96.9	96.9	98.3	98.6	98.6	98.9	98.9	99.2	99.3
≥ 100	77.2	88.1	89.9	91.4	93.2	94.2	96.3	97.1	97.1	98.5	98.8	98.8	99.2	99.2	99.4	99.7
≥ 0	77.2	88.1	89.9	91.4	93.2	94.2	96.3	97.1	97.1	98.6	98.9	98.9	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1[illegible]14	HECTOR APT FARGO ND	74-81	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	45.3	45.8	46.0	46.1	46.3	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	52.5	53.8	53.9	54.0	54.2	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	52.5	53.8	53.9	54.0	54.2	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	52.6	54.0	54.2	54.3	54.4	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 14000	53.2	54.4	54.6	54.7	54.9	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000	54.4	55.7	55.8	56.0	56.1	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	55.6	56.8	56.9	57.1	57.2	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	56.7	58.1	58.2	58.3	58.5	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000	57.2	58.6	58.8	58.9	59.0	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	59.0	60.4	60.6	60.7	60.8	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 6000	60.7	62.2	62.4	62.5	62.6	62.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	62.6	64.6	64.9	65.1	65.3	65.6	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500	63.5	65.6	66.0	66.3	66.4	66.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	65.8	68.2	68.6	68.9	69.0	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	67.2	69.6	70.0	70.3	70.4	70.7	71.0	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	69.0	71.9	72.4	72.6	72.8	73.1	73.5	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2500	70.7	73.9	74.4	74.7	74.9	75.3	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	72.9	76.3	76.8	77.2	77.4	77.9	78.5	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1800	74.4	77.9	78.5	78.9	79.0	79.6	80.1	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1500	77.9	82.4	83.1	83.6	83.9	84.4	85.0	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1200	81.3	85.8	86.7	87.4	87.8	88.3	89.0	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	82.2	87.9	88.8	89.4	90.0	90.6	91.5	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 900	83.1	89.6	90.6	91.4	92.4	92.9	94.3	95.0	95.0	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	83.1	90.3	91.3	92.2	93.2	93.8	95.1	95.8	95.8	96.4	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	83.2	90.4	91.5	92.5	93.8	94.4	95.8	96.5	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	83.2	90.6	91.8	92.8	94.2	95.0	96.5	97.4	97.4	97.9	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	83.2	90.6	91.8	92.9	94.3	95.3	97.1	97.9	97.9	98.5	98.8	98.8	98.8	98.8	98.8	98.9
≥ 400	83.2	90.6	91.8	93.2	94.6	95.6	97.5	98.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	83.2	90.6	91.9	93.3	94.7	95.7	97.8	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	83.2	90.6	91.9	93.3	94.7	95.7	97.8	98.6	98.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	83.2	90.6	91.9	93.3	94.7	95.7	97.8	98.6	98.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	83.2	90.6	91.9	93.3	94.7	95.7	97.8	98.6	98.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 72

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible] | HECTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	46.5	46.9	47.1	47.4	47.5	47.6	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000	54.4	55.3	55.4	55.7	55.8	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	54.6	55.4	55.6	55.8	56.0	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000	54.6	55.4	55.6	55.8	56.0	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000	55.6	56.4	56.5	56.8	56.9	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 12000	56.3	57.6	57.8	58.1	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000	58.1	59.3	59.4	59.7	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	60.7	62.2	62.4	62.6	62.8	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	61.7	63.6	63.8	64.0	64.2	64.3	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 7000	63.8	65.7	66.0	66.3	66.4	66.5	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	66.3	68.3	68.6	68.9	69.0	69.2	69.3	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 5000	69.2	70.3	70.6	70.8	71.0	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4500	69.4	71.5	71.8	72.1	72.2	72.4	72.5	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4000	70.7	72.8	73.1	73.3	73.5	73.6	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	71.9	74.3	74.6	74.9	75.0	75.1	75.3	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	75.4	78.2	78.5	78.8	78.9	79.0	79.2	79.2	[illegible].2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	79.0	81.9	82.2	82.5	82.6	82.8	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	81.7	85.1	85.4	85.7	86.0	86.3	86.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	82.4	85.8	86.1	86.5	86.8	87.1	87.2	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1500	85.3	89.2	89.4	89.9	90.1	90.4	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	87.1	91.9	92.2	92.6	92.9	93.2	93.5	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	87.6	93.9	94.3	94.7	95.0	95.3	95.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	87.6	94.6	95.0	95.4	95.8	96.1	96.5	96.5	96.5	96.9	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	87.6	94.7	95.1	95.6	96.0	96.3	96.7	96.7	96.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	87.6	94.7	95.1	95.6	96.1	96.5	97.2	97.4	97.4	97.8	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	87.6	95.1	95.6	96.0	96.5	96.9	97.6	98.1	98.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	87.6	95.1	95.6	96.0	96.5	96.9	97.6	98.1	98.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	87.6	95.3	95.7	96.3	96.8	97.2	97.9	98.3	98.3	98.8	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	87.6	95.3	95.7	96.5	97.1	97.5	98.2	98.8	98.8	99.2	99.7	99.7	99.7	99.7	99.9	99.9
≥ 200	87.6	95.3	95.7	96.5	97.1	97.5	98.2	98.9	98.9	99.3	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	87.6	95.3	95.7	96.5	97.1	97.5	98.2	98.9	98.9	99.3	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	87.6	95.3	95.7	96.5	97.1	97.5	98.2	98.9	98.9	99.3	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914 | HECTOR APT FARGO ND | 74-81 (YEARS) | APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.3	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 20000	56.3	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 18000	56.4	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000	56.5	57.8	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	57.9
≥ 14000	57.5	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	59.2	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	63.1	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 9000	66.0	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	66.9	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	69.4	69.4
≥ 7000	69.9	72.2	72.2	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
≥ 6000	71.5	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	73.5	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500	74.7	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4000	76.1	78.9	78.9	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
≥ 3500	76.8	79.7	79.7	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	79.0	82.4	82.4	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	81.8	85.3	85.3	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	83.8	87.6	87.6	88.1	88.1	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	84.4	88.5	88.5	88.9	88.9	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	87.2	91.3	91.3	91.7	91.7	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	88.2	92.5	92.5	92.9	93.1	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	88.9	93.6	93.6	94.2	94.6	94.9	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	89.0	93.8	94.0	94.7	95.3	95.6	96.3	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	89.0	94.0	94.3	95.0	95.6	95.8	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	89.0	94.2	94.4	95.1	95.7	96.0	96.8	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	89.0	94.4	94.7	95.4	96.1	96.4	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	89.2	94.7	95.0	95.8	96.7	96.9	97.8	98.3	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2
≥ 400	89.2	94.7	95.0	95.8	96.7	97.1	97.9	98.5	98.5	99.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 300	89.2	94.7	95.0	95.8	96.7	97.1	97.9	98.5	98.5	99.0	99.0	99.0	99.6	99.6	99.6	99.6
≥ 200	89.2	94.7	95.0	95.8	96.7	97.1	97.9	98.5	98.5	99.0	99.3	99.3	99.9	99.9	99.9	99.9
≥ 100	89.2	94.7	95.0	95.8	96.7	97.1	97.9	98.5	98.5	99.0	99.4	99.4	100.0	100.0	100.0	100.0
≥ 0	89.2	94.7	95.0	95.8	96.7	97.1	97.9	98.5	98.5	99.0	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | HECTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	55.1	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	58.9	59.6	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 18000	59.6	60.3	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 16000	59.6	60.3	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	60.1	60.8	61.5	61.5	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	61.0	61.7	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000	64.2	64.9	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	65.6	66.3	66.9	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	67.8	68.5	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	70.7	71.4	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	72.9	73.8	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	74.3	75.4	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500	75.3	76.4	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4000	76.7	78.3	79.2	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3500	77.2	78.9	79.7	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	79.4	82.1	83.1	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	82.1	85.1	86.3	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	83.9	87.1	88.2	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	85.0	88.3	89.4	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	85.8	89.4	90.7	91.4	91.5	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1200	86.9	91.1	92.6	93.5	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	87.4	91.9	93.5	94.3	94.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	87.8	92.8	94.3	95.1	95.7	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	87.9	92.9	94.4	95.6	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	88.2	93.2	94.7	95.8	96.5	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	88.3	93.6	95.4	96.8	97.5	97.6	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	88.6	93.9	95.7	97.1	97.8	97.9	98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	88.6	94.0	96.1	97.6	98.3	98.5	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	88.6	94.0	96.1	97.8	98.5	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	88.6	94.0	96.1	97.8	98.5	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.6	94.0	96.1	97.8	98.5	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	88.6	94.0	96.1	97.8	98.5	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914 | HECTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	47.8	49.8	50.0	50.2	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.8
≥ 20000	53.7	55.0	55.2	55.5	55.7	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1
≥ 18000	54.0	55.3	55.5	55.8	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 16000	54.1	55.3	55.6	55.9	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.5
≥ 14000	54.8	56.0	56.3	56.6	56.8	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 12000	56.1	57.3	57.6	57.9	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.6
≥ 10000	58.8	60.3	60.7	61.0	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.7
≥ 9000	60.3	61.9	62.2	62.6	62.8	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.3
≥ 8000	61.6	63.3	63.7	64.0	64.2	64.3	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.7
≥ 7000	64.1	66.0	66.4	66.7	66.9	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4
≥ 6000	66.0	68.0	68.4	68.8	69.0	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.7
≥ 5000	67.7	70.0	70.5	70.9	71.1	71.3	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.8	71.9
≥ 4500	68.9	71.4	71.9	72.3	72.5	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.3
≥ 4000	70.6	73.3	73.8	74.3	74.5	74.7	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.3
≥ 3500	71.4	74.1	74.7	75.1	75.4	75.6	75.8	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.3
≥ 3000	73.5	76.6	77.2	77.6	77.9	78.1	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.7	78.8
≥ 2500	76.0	79.4	80.0	80.5	80.8	81.0	81.3	81.4	81.4	81.5	81.5	81.5	81.6	81.6	81.7	81.9
≥ 2000	78.1	81.6	82.4	83.0	83.3	83.6	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.4
≥ 1800	78.9	82.6	83.4	84.0	84.4	84.6	85.0	85.1	85.1	85.2	85.2	85.2	85.3	85.3	85.4	85.5
≥ 1500	80.9	85.1	85.9	86.5	86.9	87.2	87.7	87.8	87.8	87.9	88.0	88.0	88.0	88.0	88.1	88.2
≥ 1200	82.5	87.2	88.1	88.9	89.4	89.7	90.3	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.9
≥ 1000	83.9	89.0	90.0	90.8	91.4	91.8	92.4	92.6	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.2
≥ 900	84.1	90.0	91.1	92.0	92.8	93.1	93.8	94.0	94.0	94.4	94.5	94.5	94.6	94.6	94.6	94.8
≥ 800	84.3	90.4	91.6	92.5	93.3	93.7	94.4	94.7	94.7	95.0	95.2	95.2	95.2	95.2	95.3	95.5
≥ 700	84.4	90.9	92.0	93.0	94.0	94.4	95.2	95.5	95.5	95.9	96.0	96.0	96.1	96.1	96.1	96.3
≥ 600	84.5	91.1	92.4	93.5	94.5	94.9	95.8	96.1	96.1	96.6	96.7	96.7	96.8	96.8	96.9	97.0
≥ 500	84.6	91.3	92.6	93.8	94.9	95.3	96.3	96.7	96.7	97.2	97.3	97.3	97.5	97.5	97.6	97.7
≥ 400	84.7	91.5	92.9	94.2	95.3	95.8	96.8	97.3	97.3	97.9	98.0	98.0	98.2	98.2	98.3	98.4
≥ 300	84.7	91.6	93.0	94.4	95.6	96.1	97.2	97.7	97.7	98.4	98.6	98.6	98.8	98.8	98.9	99.1
≥ 200	84.7	91.6	93.0	94.5	95.7	96.2	97.4	97.9	97.9	98.7	99.0	99.0	99.3	99.3	99.4	99.7
≥ 100	84.7	91.6	93.0	94.5	95.7	96.2	97.4	98.0	98.0	98.7	99.0	99.0	99.4	99.4	99.6	99.9
≥ 0	84.7	91.6	93.0	94.5	95.7	96.2	97.4	98.0	98.0	98.8	99.1	99.1	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5761

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

GLOBAL CLIMATOLOGY BRANCH
USETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	74-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	57.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	64.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000	64.5	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
≥ 16000	64.5	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
≥ 14000	65.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 12000	67.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000	71.6	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	72.8	72.8
≥ 9000	73.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	75.3	76.3	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
≥ 7000	79.2	80.5	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
≥ 6000	80.9	82.3	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
≥ 5000	82.1	83.5	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	83.9	85.3	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000	85.1	86.7	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500	85.3	87.0	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000	86.2	87.9	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	86.8	88.7	89.0	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	88.3	90.5	90.7	91.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	88.7	90.9	91.3	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	89.7	91.9	92.5	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	90.6	92.9	93.5	94.2	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	91.1	94.1	94.8	95.6	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	91.1	94.4	95.1	95.8	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	91.4	94.6	95.4	96.4	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	91.4	94.8	95.7	96.6	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	91.5	95.0	96.0	96.9	97.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	91.5	95.3	96.5	97.4	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	91.5	95.6	96.9	98.0	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	91.5	95.7	97.0	98.3	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 200	91.5	95.8	97.2	98.4	99.2	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	91.5	95.8	97.2	98.4	99.2	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	91.5	95.8	97.2	98.4	99.2	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
14914	HECTOR APT FARGO ND	74-81	MAY

HOURS (L.S.T.) 1300-05

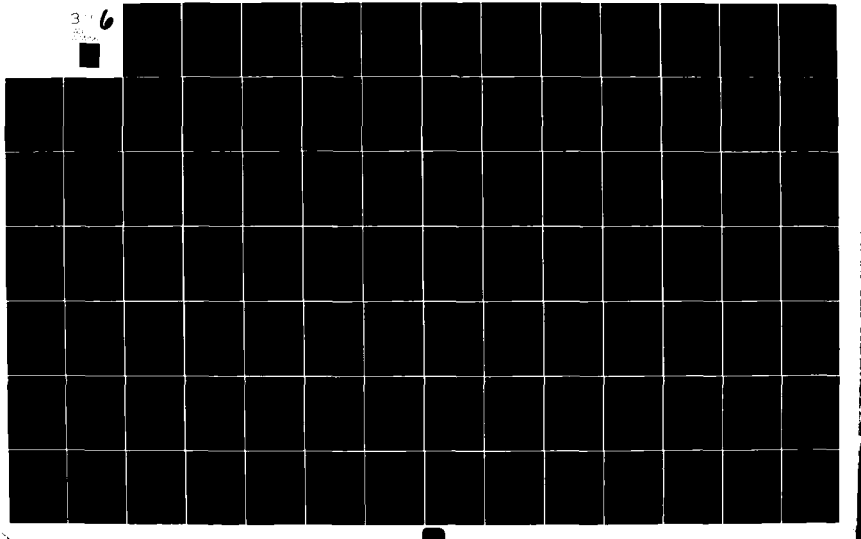
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥
NO CEILING	55.4	57.1	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57
≥ 20000	60.3	62.4	62.9	63.0	63.	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63
≥ 18000	60.6	62.6	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63
≥ 16000	61.1	63.0	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63
≥ 14000	62.0	64.0	64.5	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
≥ 12000	62.4	64.9	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65
≥ 10000	69.3	71.1	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72
≥ 9000	71.2	73.4	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74
≥ 8000	73.5	75.8	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
≥ 7000	77.8	80.1	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81
≥ 6000	79.6	82.0	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
≥ 5000	80.8	83.2	84.1	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84
≥ 4500	81.6	84.0	84.9	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
≥ 4000	82.4	84.9	85.9	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86
≥ 3500	83.3	85.9	86.8	87.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88
≥ 3000	83.9	86.6	87.5	88.0	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88
≥ 2500	85.2	88.2	89.1	89.9	90.1	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90
≥ 2000	86.0	89.4	90.5	91.3	91.4	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92
≥ 1800	86.0	89.4	90.5	91.3	91.4	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92
≥ 1500	86.4	89.9	91.0	91.8	91.9	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92
≥ 1200	88.4	92.3	93.4	94.2	94.5	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95
≥ 1000	88.7	92.7	94.1	94.8	95.0	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95
≥ 900	88.9	93.1	94.2	95.2	95.4	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96
≥ 800	89.1	93.1	94.4	95.4	95.8	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96
≥ 700	89.1	93.4	94.8	95.8	96.2	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97
≥ 600	89.4	93.7	95.2	96.2	96.6	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97
≥ 500	89.4	94.0	95.4	97.0	97.4	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98
≥ 400	89.5	94.1	95.6	97.4	98.0	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99
≥ 300	89.5	94.1	95.6	97.4	98.1	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99
≥ 200	89.5	94.1	95.6	97.4	98.3	98.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100
≥ 100	89.5	94.1	95.6	97.4	98.3	98.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100
≥ 0	89.5	94.1	95.6	97.4	98.3	98.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100

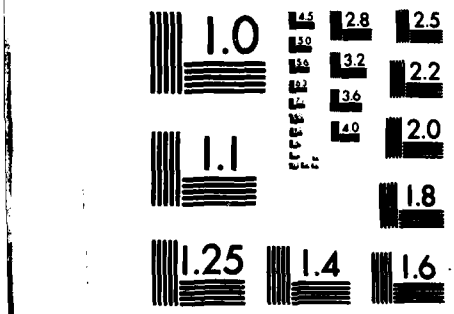
TOTAL NUMBER OF OBSERVATIONS 7

AD-A113 156 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
JAN 82

UNCLASSIFIED USAFETAC/DS-82/001 SBI-AD-E850 137 NL



1356



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

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1...14	HECTOR ARPT FARGO ND	74-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	54.6	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	59.7	61.7	62.2	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	59.8	61.8	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	59.9	62.3	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	61.6	63.6	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	63.3	65.6	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 10000	67.5	70.6	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.6	71.6	71.6
≥ 9000	68.8	72.2	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.4	73.4	73.4
≥ 8000	70.4	73.9	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.1	75.1	75.1
≥ 7000	72.7	76.9	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.1	78.1	78.1
≥ 6000	75.1	79.7	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.8	80.9	80.9	80.9
≥ 5000	77.1	81.9	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.2	83.2	83.2
≥ 4500	78.1	82.8	83.7	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.1	84.1	84.1
≥ 4000	79.8	84.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.2	86.2	86.2
≥ 3500	80.1	85.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.6	86.6	86.6
≥ 3000	81.2	87.0	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.6	88.6	88.6
≥ 2500	81.7	87.9	89.0	89.0	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.7	89.8	89.8	89.8
≥ 2000	82.9	89.2	90.3	90.3	90.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.3	91.3	91.3
≥ 1800	83.6	90.2	91.4	91.4	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.3	92.3	92.3
≥ 1500	84.5	91.3	92.5	92.6	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.5	93.5	93.5
≥ 1200	84.9	91.8	93.0	93.1	93.4	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.4	94.4	94.4
≥ 1000	85.5	92.3	93.7	94.1	94.4	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.6	95.6	95.6
≥ 900	86.0	92.9	94.2	94.8	95.0	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.4	96.4	96.4
≥ 800	86.0	92.9	94.2	94.8	95.0	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.4	96.4	96.4
≥ 700	86.2	93.0	94.4	94.9	95.2	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.5	96.5	96.5
≥ 600	86.3	93.5	95.2	95.7	96.0	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.4	97.4	97.4
≥ 500	86.3	93.5	95.2	95.8	96.2	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.8	98.0	98.0	98.0
≥ 400	86.3	93.8	95.4	96.2	96.6	97.6	98.5	98.7	98.7	98.7	98.7	98.7	98.8	98.9	98.9	98.9
≥ 300	86.3	93.8	95.4	96.2	96.6	97.8	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6
≥ 200	86.3	94.0	95.6	96.4	96.8	98.1	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
≥ 100	86.3	94.0	95.6	96.4	96.8	98.1	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
≥ 0	86.3	94.0	95.6	96.4	96.8	98.1	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-1-14	HECTOR APT FARGO ND	74-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	64.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 18000	64.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 16000	64.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 14000	65.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	67.1	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	69.9	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 9000	71.0	72.6	72.6	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
≥ 8000	72.7	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 7000	73.8	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000	74.7	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	76.5	78.9	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	76.9	79.4	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	77.8	80.6	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	78.9	81.7	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	80.9	84.4	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
≥ 2500	82.7	86.2	86.2	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	85.6	89.4	89.4	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	86.7	90.5	90.5	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	88.6	92.6	92.6	93.0	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	89.7	94.1	94.1	94.5	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	90.3	95.0	95.0	95.4	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	90.5	95.4	95.4	95.8	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	90.7	95.7	95.7	96.1	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	91.0	96.1	96.1	96.5	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	91.4	96.6	96.8	97.2	98.1	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	91.4	96.9	97.0	97.4	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	91.5	97.2	97.4	97.8	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	91.5	97.2	97.4	97.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.5	97.2	97.4	97.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.5	97.2	97.4	97.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.5	97.2	97.4	97.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	74-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	59.9	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
≥ 16000	59.9	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
≥ 14000	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	65.9	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 8000	69.1	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
≥ 7000	70.8	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
≥ 6000	73.3	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	76.5	77.3	77.4	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
≥ 4500	76.9	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4000	79.8	80.8	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	81.7	82.8	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	84.4	85.5	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	88.7	90.6	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	90.6	92.6	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1800	91.7	93.7	94.1	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	93.3	95.4	95.8	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	94.0	96.1	96.6	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	94.2	96.5	97.0	97.6	97.8	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	94.5	97.0	97.6	98.1	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	94.5	97.3	97.8	98.4	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	94.5	97.4	98.0	98.5	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	94.5	97.4	98.0	98.5	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	94.5	97.4	98.0	98.5	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	94.5	97.4	98.0	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	94.5	97.4	98.0	98.5	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.5	97.4	98.0	98.5	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.5	97.4	98.0	98.5	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.5	97.4	98.0	98.5	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1014	HECTOR APT FARGO ND	74-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	59.1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	59.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 16000	59.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	60.4	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
≥ 12000	63.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	68.8	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 9000	70.5	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	71.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 7000	73.6	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	77.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	81.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	83.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000	84.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	86.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	89.6	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2500	90.6	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	91.5	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	92.1	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500	92.9	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	93.0	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	93.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	93.1	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	93.3	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	93.4	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	93.4	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	93.4	98.1	98.3	98.3	98.5	98.5	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	93.4	98.1	98.3	98.5	98.8	98.8	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	93.4	98.1	98.3	98.7	98.9	98.9	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.4	98.1	98.3	98.7	98.9	98.9	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.4	98.1	98.3	98.7	98.9	98.9	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.4	98.1	98.3	98.7	98.9	98.9	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914 | HECTOR APT FARGO ND | 74-81 | MAY
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	55.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	65.5	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 18000	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 16000	65.9	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
≥ 14000	66.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 12000	68.2	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 10000	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	75.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000	77.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	80.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 6000	83.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000	85.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500	86.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4000	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	89.6	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	91.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	92.3	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	92.6	95.0	95.1	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	92.6	95.1	95.3	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	93.3	96.2	96.4	96.5	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	93.3	96.4	96.5	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	93.3	96.5	96.6	96.8	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	93.3	96.6	96.8	96.9	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	93.4	97.2	97.3	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	93.4	97.6	97.7	97.8	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	93.4	97.7	97.8	98.0	98.1	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	93.5	97.8	98.0	98.2	98.4	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	93.5	97.8	98.0	98.2	98.4	98.4	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	93.5	97.8	98.0	98.2	98.4	98.4	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	93.5	97.8	98.0	98.2	98.4	98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.5	97.8	98.0	98.2	98.4	98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.5	97.8	98.0	98.2	98.4	98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14-14 (STATION) HECTOR APT FARGO ND (STATION NAME) 74-81 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	57.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	64.7	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000	65.1	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	66.1	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	67.8	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
≥ 10000	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000	73.5	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000	75.5	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 7000	78.8	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000	80.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 5000	82.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	83.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000	85.3	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	88.0
≥ 3500	86.8	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3000	87.8	90.4	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
≥ 2500	89.1	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	90.3	93.8	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	90.5	94.2	94.7	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	90.9	94.9	95.4	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	91.2	95.3	95.8	95.9	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	91.2	95.9	96.5	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	91.2	96.2	96.9	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	91.2	96.5	97.3	97.4	97.4	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	91.4	97.0	97.8	98.0	98.0	98.0	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	91.4	97.3	98.1	98.2	98.2	98.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	91.4	97.3	98.1	98.4	98.4	98.4	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	91.4	97.4	98.4	98.6	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	91.4	97.6	98.6	98.9	99.1	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	91.4	97.7	98.9	99.2	99.3	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.4	97.7	98.9	99.2	99.3	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.4	97.7	98.9	99.2	99.3	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 74

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1014 (STATION) HECTOR APT FARGO ND (STATION NAME) 74-81 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	55.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2
≥ 20000	62.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6
≥ 18000	62.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	62.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
≥ 14000	63.5	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000	65.3	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	66.8
≥ 10000	69.7	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5
≥ 9000	71.5	73.0	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	73.2	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2
≥ 7000	75.9	77.8	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	78.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6
≥ 5000	80.3	82.5	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
≥ 4500	81.3	83.6	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	82.9	85.4	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	84.0	86.5	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
≥ 3000	85.6	88.4	88.7	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2
≥ 2500	87.1	90.3	90.7	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 2000	88.5	91.9	92.3	92.5	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0
≥ 1800	89.0	92.4	92.9	93.2	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	89.9	93.6	94.1	94.3	94.6	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	90.6	94.4	95.0	95.3	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
≥ 1000	90.9	95.0	95.6	96.0	96.3	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 900	91.1	95.4	96.0	96.4	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
≥ 800	91.2	95.7	96.3	96.8	97.1	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	91.3	95.9	96.6	97.1	97.4	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	91.4	96.2	96.9	97.4	97.7	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
≥ 500	91.4	96.3	97.1	97.6	98.0	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 400	91.5	96.4	97.2	97.9	98.4	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 300	91.5	96.5	97.3	98.0	98.5	98.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	91.5	96.5	97.4	98.1	98.6	99.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	91.5	96.5	97.4	98.1	98.6	99.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	91.5	96.5	97.4	98.1	98.6	99.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5944

USAF ETAC FORM JUL 66 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14 | HECTOR APT FARGO ND | 73-80 | JUN

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	62.2	63.2	63.3	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6
≥ 20000	70.7	71.8	71.9	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
≥ 18000	70.8	71.9	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.4
≥ 16000	70.8	71.9	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.4
≥ 14000	71.3	72.1	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5
≥ 12000	74.3	75.4	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
≥ 10000	78.6	79.7	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
≥ 9000	81.3	82.6	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1	83.1	83.1
≥ 8000	83.3	84.7	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1
≥ 7000	85.7	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5
≥ 6000	87.8	89.2	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6
≥ 5000	88.5	90.1	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.6
≥ 4500	88.6	90.4	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0
≥ 4000	90.1	91.9	92.2	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
≥ 3500	90.4	92.4	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9
≥ 3000	91.8	94.3	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.9	94.9	94.9	94.9
≥ 2500	93.1	95.6	95.8	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1
≥ 2000	93.6	96.1	96.4	96.4	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 1800	94.2	96.8	97.1	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
≥ 1500	94.6	97.2	97.5	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
≥ 1200	94.6	97.2	97.5	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
≥ 1000	95.0	98.1	98.3	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8
≥ 900	95.7	98.3	98.6	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 800	95.1	98.6	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 700	95.1	98.8	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 600	95.1	98.8	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 500	95.1	98.9	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	95.1	99.0	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	95.1	99.0	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	95.1	99.0	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	95.1	99.0	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	95.1	99.0	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 914 | HECTOR APT FARGO ND | 73-80 | JUN

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	57.8	59.3	59.4	59.9	60.0	60.0	60.7	60.7	60.7	60.8	60.8	60.8	61.0	61.0	61.3	61.5
≥ 20000	65.3	66.8	66.9	67.4	67.5	67.5	68.2	68.2	68.2	68.5	68.5	68.5	68.6	68.6	68.9	69.2
≥ 18000	65.8	67.4	67.5	67.9	68.1	68.1	68.8	68.9	68.9	69.2	69.2	69.2	69.3	69.3	69.6	69.9
≥ 16000	66.3	67.8	67.9	68.3	68.5	68.5	69.2	69.3	69.3	69.6	69.6	69.6	69.7	69.7	70.0	70.3
≥ 14000	67.5	69.0	69.2	69.6	69.7	69.7	70.4	70.6	70.6	70.8	70.8	70.8	71.0	71.0	71.3	71.5
≥ 12000	70.7	72.2	72.4	72.8	72.9	72.9	73.6	73.8	73.8	74.0	74.0	74.0	74.2	74.2	74.4	74.7
≥ 10000	73.5	75.0	75.1	75.6	75.7	75.7	76.4	76.5	76.5	76.8	76.8	76.8	76.9	76.9	77.2	77.5
≥ 9000	77.4	79.4	79.6	80.0	80.1	80.1	80.8	81.0	81.0	81.3	81.3	81.3	81.4	81.4	81.7	81.9
≥ 8000	78.6	80.8	81.0	81.4	81.5	81.5	82.2	82.4	82.4	82.6	82.6	82.6	82.8	82.8	83.1	83.3
≥ 7000	81.1	83.6	83.8	84.2	84.3	84.3	85.0	85.1	85.1	85.4	85.4	85.4	85.6	85.6	85.8	86.1
≥ 6000	81.7	84.2	84.3	84.7	84.9	84.9	85.6	85.7	85.7	86.0	86.0	86.0	86.1	86.1	86.4	86.7
≥ 5000	83.2	85.8	86.0	86.4	86.5	86.5	87.2	87.4	87.4	87.6	87.6	87.6	87.8	87.8	88.1	88.3
≥ 4500	83.5	86.1	86.3	86.7	86.8	86.8	87.5	87.6	87.6	87.9	87.9	87.9	88.1	88.1	88.3	88.6
≥ 4000	84.6	87.4	87.6	88.1	88.2	88.2	88.9	89.0	89.0	89.3	89.3	89.3	89.4	89.4	89.7	90.0
≥ 3500	85.0	87.9	88.2	88.8	88.9	88.9	89.6	89.7	89.7	90.0	90.0	90.0	90.1	90.1	90.4	90.7
≥ 3000	86.3	89.6	90.0	90.6	90.7	90.7	91.4	91.5	91.5	91.8	91.8	91.8	91.9	91.9	92.2	92.5
≥ 2500	87.1	90.7	91.1	91.7	91.8	91.8	92.5	92.6	92.6	92.9	92.9	92.9	93.1	93.1	93.3	93.6
≥ 2000	87.8	91.5	92.1	92.6	92.8	92.8	93.5	93.6	93.6	93.9	93.9	93.9	94.0	94.0	94.3	94.6
≥ 1800	87.9	91.7	92.2	92.8	92.9	92.9	93.6	93.8	93.8	94.0	94.0	94.0	94.2	94.2	94.4	94.7
≥ 1500	88.2	91.9	92.5	93.1	93.2	93.2	93.9	94.0	94.0	94.3	94.3	94.3	94.4	94.4	94.7	95.0
≥ 1200	89.6	93.5	94.3	94.9	95.0	95.0	95.7	95.8	95.8	96.1	96.1	96.1	96.3	96.3	96.5	96.8
≥ 1000	89.9	94.2	95.1	95.8	96.0	96.0	96.7	96.8	96.8	97.1	97.1	97.1	97.2	97.2	97.5	97.8
≥ 900	90.1	94.6	95.6	96.3	96.4	96.4	97.1	97.2	97.2	97.5	97.5	97.5	97.6	97.6	97.9	98.2
≥ 800	90.3	94.7	95.7	96.4	96.5	96.5	97.2	97.4	97.4	97.6	97.6	97.6	97.8	97.8	98.1	98.3
≥ 700	90.3	94.7	95.7	96.4	96.5	96.5	97.2	97.4	97.4	97.6	97.6	97.6	97.8	97.8	98.1	98.3
≥ 600	90.4	95.0	96.1	96.9	97.1	97.1	97.8	97.9	97.9	98.2	98.2	98.2	98.3	98.3	98.6	98.9
≥ 500	90.4	95.0	96.1	96.9	97.1	97.1	97.8	97.9	97.9	98.2	98.2	98.2	98.3	98.3	98.6	98.9
≥ 400	90.6	95.3	96.4	97.2	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.5	98.6	98.6	98.9	99.2
≥ 300	90.6	95.3	96.4	97.2	97.4	97.4	98.3	98.5	98.5	98.8	98.8	98.8	98.9	98.9	99.2	99.9
≥ 200	90.6	95.3	96.4	97.2	97.4	97.4	98.3	98.5	98.5	98.8	98.8	98.8	98.9	98.9	99.2	99.9
≥ 100	90.6	95.3	96.4	97.2	97.4	97.4	98.3	98.5	98.5	98.8	98.8	98.8	98.9	98.9	99.2	99.9
≥ 0	90.6	95.3	96.4	97.2	97.4	97.4	98.3	98.5	98.5	98.8	98.8	98.8	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible]14 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	55.6	57.1	57.8	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.5	58.5
≥ 20000	62.6	64.2	65.1	65.1	65.4	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.4	66.4
≥ 18000	62.9	64.4	65.4	65.4	65.7	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.8	66.8
≥ 16000	63.1	64.7	65.7	65.7	66.0	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	67.1	67.1
≥ 14000	64.3	66.0	66.9	66.9	67.2	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.3	68.3
≥ 12000	67.6	69.7	70.7	70.7	71.0	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	72.1	72.1
≥ 10000	72.4	74.6	75.6	75.6	75.8	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.9	76.9
≥ 9000	74.7	77.2	78.2	78.2	78.5	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.6	79.6
≥ 8000	76.3	79.2	80.1	80.1	80.4	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.5	81.5
≥ 7000	78.9	81.9	82.9	82.9	83.2	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.4	84.4
≥ 6000	79.7	82.8	83.8	83.8	84.0	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.3	85.3
≥ 5000	81.3	84.3	85.3	85.4	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.9	86.9
≥ 4500	81.3	84.3	85.3	85.4	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.9	86.9
≥ 4000	81.8	85.0	86.0	86.1	86.4	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.6	87.6
≥ 3500	81.9	85.6	86.5	86.7	86.9	87.5	87.9	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.2	88.2
≥ 3000	82.4	86.3	87.4	87.5	87.9	88.5	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.2	89.2
≥ 2500	82.9	86.8	87.9	88.1	88.5	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.7	89.7
≥ 2000	84.9	89.7	90.8	91.2	91.7	92.2	92.6	92.8	92.8	92.8	92.8	92.8	92.9	92.9	93.1	93.1
≥ 1800	85.1	90.0	91.1	91.4	91.9	92.5	92.9	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.3	93.3
≥ 1500	85.7	90.6	91.8	92.1	92.6	93.2	93.6	93.8	93.8	93.8	93.8	93.8	93.9	93.9	94.0	94.0
≥ 1200	86.5	91.5	92.8	93.1	93.6	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.9	94.9	95.0	95.0
≥ 1000	87.4	92.6	93.9	94.2	94.7	95.3	95.7	95.8	95.8	95.8	95.8	95.8	96.0	96.0	96.1	96.1
≥ 900	87.9	93.3	94.6	94.9	95.4	96.0	96.4	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.8	96.8
≥ 800	88.2	93.9	95.3	95.6	96.1	96.7	97.2	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.6
≥ 700	88.2	93.9	95.4	95.8	96.7	97.2	97.8	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.2	98.2
≥ 600	88.8	94.4	96.0	96.4	97.2	97.8	98.5	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.9	98.9
≥ 500	88.8	94.6	96.3	96.7	97.5	98.1	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.3	99.3
≥ 400	88.8	94.6	96.3	96.7	97.5	98.1	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.3	99.3
≥ 300	88.8	94.6	96.3	96.7	97.5	98.1	98.9	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.4	99.6
≥ 200	88.8	94.6	96.3	96.7	97.5	98.1	98.9	99.0	99.0	99.2	99.2	99.2	99.3	99.4	99.6	99.7
≥ 100	88.8	94.6	96.3	96.7	97.5	98.1	98.9	99.0	99.0	99.2	99.2	99.2	99.3	99.4	99.6	99.7
≥ 0	88.9	94.7	96.4	96.8	97.6	98.2	99.0	99.2	99.2	99.3	99.3	99.3	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USAETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	59.1	60.3	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	66.1	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 18000	66.1	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 16000	66.1	67.4	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
≥ 14000	67.5	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	69.6	71.1	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	73.5	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	75.4	75.4
≥ 9000	74.7	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	76.7	78.8	78.9	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 7000	78.9	81.3	81.4	81.4	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 6000	79.2	81.8	81.9	81.9	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 5000	80.6	83.9	84.0	84.0	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	81.3	84.6	84.7	84.7	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	81.9	85.3	85.4	85.4	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	82.8	86.4	86.5	86.5	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3000	83.8	87.9	88.2	88.2	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	84.9	89.2	89.4	89.4	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	86.3	90.6	90.8	90.8	91.0	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	86.8	91.1	91.4	91.4	91.7	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	89.2	93.9	94.2	94.2	94.4	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	90.6	95.4	95.7	95.7	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	91.1	96.0	96.3	96.3	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	91.8	96.8	97.1	97.1	97.8	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	92.1	97.1	97.4	97.4	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	92.5	97.5	97.8	97.8	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	92.6	98.1	98.3	98.3	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	92.6	98.2	98.5	98.5	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.6	98.2	98.5	98.5	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.6	98.2	98.5	98.5	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.6	98.2	98.5	98.5	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.6	98.2	98.5	98.5	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.6	98.2	98.5	98.5	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥¼	≥5/16	≥0
NO CEILING	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 16000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 9000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 5000	82.1	82.1	82.1	82.1	82.	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 3000	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	94.9	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	95.8	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500	96.9	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	97.4	97.8	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	98.2	98.6	98.6	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	98.2	98.6	98.6	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible] | HECTOR APT FARGO ND | 73-80 | JUN
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 16000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 12000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	77.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	79.3	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
≥ 6000	83.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 5000	86.1	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4500	87.1	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4000	88.8	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	89.7	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3000	91.7	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	93.1	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2000	94.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800	95.0	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	95.1	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	95.4	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	95.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	95.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	95.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	95.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	95.8	99.3	99.6	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
≥ 500	95.8	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.9	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.8	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.8	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.8	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.9	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 729

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-14 | HECTOR APT FARGO ND | 73-80 | JUN
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	61.9	62.2	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	70.8	71.1	71.4	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
≥ 18000	71.4	71.7	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 16000	71.5	71.8	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 14000	72.5	72.8	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	73.3
≥ 12000	75.3	75.7	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 10000	78.8	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	80.0	80.0
≥ 9000	80.3	81.0	81.4	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
≥ 8000	81.9	82.6	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	83.8	84.4	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	85.0
≥ 6000	86.8	87.8	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 5000	89.2	90.7	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	90.7	92.2	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	92.1	93.9	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3500	92.5	94.4	95.1	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
≥ 3000	93.8	95.7	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	94.9	96.8	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	95.7	97.9	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	95.7	97.9	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	96.1	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	96.3	98.5	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.4	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	96.4	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	96.4	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	96.4	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	96.4	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	96.4	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.4	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.4	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.4	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.4	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.4	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14	HECTOR APT FARGO ND	73-80	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	65.7	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
≥ 20000	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 18000	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 16000	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 14000	76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 12000	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 10000	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
≥ 9000	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 7000	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 6000	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 5000	91.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500	91.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 4000	92.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3500	93.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	93.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	94.7	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	95.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	96.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	96.4	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	96.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2
≥ 1000	96.7	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 900	96.7	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 800	96.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 700	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	58.7	59.5	59.6	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.1
≥ 20000	66.8	67.6	67.9	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.4
≥ 18000	67.2	68.0	68.2	68.3	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.8	68.8
≥ 16000	67.3	68.2	68.4	68.5	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	69.0
≥ 14000	68.2	69.1	69.3	69.4	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.9
≥ 12000	71.4	72.4	72.6	72.6	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1
≥ 10000	75.4	76.5	76.7	76.8	76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
≥ 9000	77.3	78.6	78.8	78.9	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.4
≥ 8000	79.2	80.6	80.8	80.9	81.0	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 7000	81.4	82.9	83.1	83.1	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.7
≥ 6000	83.1	84.9	85.1	85.2	85.2	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.7
≥ 5000	85.1	87.1	87.3	87.4	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	88.0
≥ 4500	85.7	87.8	88.1	88.2	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7
≥ 4000	87.1	89.3	89.6	89.7	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 3500	87.6	90.0	90.3	90.5	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 3000	88.9	91.7	92.1	92.2	92.3	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.8	92.8
≥ 2500	90.0	93.0	93.4	93.5	93.6	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1
≥ 2000	91.3	94.5	95.0	95.2	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.9
≥ 1800	91.6	94.9	95.4	95.6	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3
≥ 1500	92.3	95.7	96.2	96.4	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.1
≥ 1200	92.9	96.4	96.9	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.8	97.8
≥ 1000	93.4	97.0	97.5	97.7	97.9	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.5
≥ 900	93.5	97.2	97.8	98.0	98.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.8
≥ 800	93.7	97.5	98.0	98.2	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1
≥ 700	93.8	97.6	98.2	98.5	98.7	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 600	93.9	97.8	98.4	98.7	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6
≥ 500	93.9	97.9	98.5	98.8	99.0	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	93.9	97.9	98.6	98.8	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 300	93.9	97.9	98.6	98.8	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9
≥ 200	93.9	97.9	98.6	98.8	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9
≥ 100	93.9	97.9	98.6	98.8	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9
≥ 0	94.0	97.9	98.6	98.9	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5760

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

CL[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible]EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1[illegible]14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	71.5	72.3	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
≥ 20000	75.9	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 18000	76.1	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 16000	76.2	77.2	77.2	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
≥ 14000	78.1	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	79.3	79.3
≥ 12000	81.2	82.1	82.1	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
≥ 10000	86.8	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 9000	88.6	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 8000	90.2	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 7000	91.5	92.6	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	93.0
≥ 6000	92.7	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 5000	92.9	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 4500	93.1	94.1	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 4000	93.5	94.9	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3500	93.7	95.0	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3000	94.4	95.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500	94.9	96.4	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000	95.4	96.9	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	95.6	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	95.6	97.2	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	96.2	97.8	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	96.5	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	96.5	98.3	98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	96.5	98.3	98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	96.5	98.3	98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	96.6	98.4	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	96.8	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	96.8	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	96.8	98.8	99.2	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.8	98.8	99.2	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.8	98.8	99.2	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.8	98.8	99.2	99.5	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-914	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	64.4	66.0	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3
≥ 20000	69.4	71.1	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4
≥ 18000	70.2	71.9	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.3
≥ 16000	70.6	72.3	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.7
≥ 14000	71.8	73.5	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9
≥ 12000	75.1	77.0	77.8	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6
≥ 10000	78.9	80.8	81.6	82.1	82.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4
≥ 9000	81.0	82.9	83.7	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5
≥ 8000	82.7	84.7	85.8	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.6
≥ 7000	84.9	87.0	88.0	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
≥ 6000	86.8	89.0	90.1	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9
≥ 5000	87.8	89.9	91.0	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8
≥ 4500	88.4	90.7	91.8	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6
≥ 4000	89.4	91.8	92.9	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7
≥ 3500	89.4	91.8	92.9	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7
≥ 3000	90.3	92.9	94.0	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8
≥ 2500	91.3	93.8	94.9	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
≥ 2000	91.8	94.5	95.6	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4
≥ 1800	91.8	94.5	95.6	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4
≥ 1500	92.2	94.9	96.0	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8
≥ 1200	92.9	95.6	96.6	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 1000	92.9	95.7	96.8	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6
≥ 900	92.9	95.7	96.8	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6
≥ 800	92.9	95.7	96.8	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6
≥ 700	92.9	95.7	96.8	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6
≥ 600	92.9	95.7	97.0	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
≥ 500	92.9	95.8	97.2	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 400	92.9	96.0	97.3	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
≥ 300	92.9	96.4	98.0	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5
≥ 200	92.9	96.4	98.0	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.5	99.5	99.6	99.7	99.7	99.7
≥ 100	92.9	96.4	98.0	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.5	99.5	99.6	99.7	99.9	99.9
≥ 0	92.9	96.4	98.0	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.5	99.5	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible]14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	62.7	64.2	64.7	64.9	65.1	65.3	65.3	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6
≥ 20000	66.7	69.5	69.9	70.2	70.4	70.7	70.7	70.8	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1
≥ 18000	67.5	70.3	70.7	71.0	71.2	71.5	71.5	71.6	71.6	71.8	71.8	71.9	71.9	71.9	71.9	71.9
≥ 16000	67.5	70.3	70.7	71.0	71.2	71.5	71.5	71.6	71.6	71.8	71.8	71.9	71.9	71.9	71.9	71.9
≥ 14000	68.5	71.5	71.9	72.2	72.4	72.7	72.7	72.8	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1
≥ 12000	70.7	73.7	74.1	74.3	74.6	74.9	74.9	75.0	75.0	75.1	75.1	75.3	75.3	75.3	75.3	75.3
≥ 10000	74.7	78.1	78.5	79.2	79.4	79.7	79.7	79.8	79.8	80.0	80.0	80.1	80.1	80.1	80.1	80.1
≥ 9000	77.2	80.8	81.2	81.9	82.1	82.4	82.4	82.5	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8
≥ 8000	79.3	82.9	83.3	84.0	84.3	84.5	84.5	84.7	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9
≥ 7000	80.5	84.3	84.7	85.3	85.6	85.9	85.9	86.0	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3
≥ 6000	81.3	85.1	85.6	86.3	86.6	86.8	86.8	87.0	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2
≥ 5000	82.9	87.0	87.5	88.2	88.4	88.7	88.7	88.8	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1
≥ 4500	83.2	87.2	87.8	88.4	88.7	89.0	89.0	89.1	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4
≥ 4000	83.9	88.0	88.7	89.4	89.7	89.9	89.9	90.1	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5
≥ 3500	84.3	88.6	89.2	89.9	90.2	90.5	90.5	90.6	90.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0
≥ 3000	85.1	89.5	90.2	90.9	91.1	91.4	91.4	91.5	91.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9
≥ 2500	85.6	90.1	90.7	91.4	91.7	91.9	91.9	92.1	92.1	92.3	92.3	92.5	92.5	92.5	92.5	92.5
≥ 2000	86.4	91.0	91.8	92.5	92.9	93.1	93.1	93.3	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7
≥ 1800	86.6	91.1	91.9	92.6	93.0	93.3	93.4	93.5	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0
≥ 1500	86.6	91.3	92.1	92.7	93.1	93.4	93.5	93.7	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1
≥ 1200	86.6	91.8	92.6	93.3	93.7	94.0	94.1	94.2	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6
≥ 1000	86.6	91.8	92.6	93.3	93.7	94.0	94.2	94.4	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.8
≥ 900	87.5	93.0	93.8	94.5	94.9	95.2	95.4	95.6	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.0
≥ 800	87.6	93.3	94.1	94.8	95.2	95.4	95.7	95.8	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2
≥ 700	87.8	93.4	94.2	94.9	95.3	95.6	95.8	96.0	96.0	96.2	96.2	96.4	96.4	96.4	96.4	96.4
≥ 600	87.8	93.5	94.5	95.2	95.6	95.8	96.2	96.4	96.4	96.6	96.6	96.8	96.8	96.8	96.8	96.8
≥ 500	87.9	94.0	94.9	95.6	96.2	96.5	96.9	97.0	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4
≥ 400	88.2	94.9	95.8	96.5	97.3	97.6	98.0	98.1	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 300	88.2	95.2	96.2	97.0	98.0	98.3	98.7	98.9	98.9	99.2	99.3	99.5	99.5	99.5	99.5	99.5
≥ 200	88.2	95.2	96.2	97.0	98.0	98.3	98.8	99.2	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 100	88.2	95.2	96.2	97.0	98.0	98.3	98.8	99.2	99.2	99.5	99.6	99.7	99.7	99.7	100.0	100.0
≥ 0	88.2	95.2	96.2	97.0	98.0	98.3	98.8	99.2	99.2	99.5	99.6	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1[illegible]14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	61.4	62.8	63.0	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 20000	71.1	72.6	72.8	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000	71.9	73.4	73.7	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 16000	71.9	73.4	73.7	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 14000	72.7	74.2	74.5	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
≥ 12000	74.9	76.3	76.6	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	79.0	80.9	81.2	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 9000	80.5	82.5	82.8	83.5	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 8000	81.9	84.0	84.3	84.9	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 7000	82.8	84.9	85.2	85.9	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 6000	83.2	85.3	85.6	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 5000	84.1	86.4	86.7	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4500	84.9	87.2	87.5	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4000	85.8	88.0	88.3	89.0	89.4	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	86.2	88.6	88.8	89.5	89.9	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	86.7	89.2	89.5	90.2	90.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	87.2	89.8	90.1	90.7	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	87.3	91.1	91.4	92.1	92.5	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1800	88.4	91.7	91.9	92.6	93.0	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	89.5	93.1	93.4	94.1	94.5	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	90.7	94.8	95.1	95.7	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	91.1	96.1	96.2	97.0	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	91.7	96.6	96.9	97.8	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	91.7	96.6	96.9	97.8	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	91.7	96.8	97.1	98.0	98.4	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	91.7	97.0	97.4	98.4	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	91.7	97.2	97.6	98.5	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	91.7	97.2	97.6	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	91.7	97.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.7	97.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.7	97.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.7	97.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	62.6	63.3	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000	73.2	73.7	73.8	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 18000	73.3	73.9	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 16000	73.3	73.9	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 14000	74.3	75.0	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 12000	77.2	78.0	78.1	78.4	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 10000	81.3	82.1	82.3	82.5	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 9000	82.8	83.6	83.7	84.0	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 8000	84.0	84.8	84.9	85.2	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	84.8	85.6	85.8	86.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 6000	85.3	86.3	86.6	86.8	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 5000	86.7	87.8	88.0	88.3	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4500	87.6	88.7	89.0	89.2	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4000	89.1	90.2	90.5	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	89.4	90.5	90.7	91.0	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3000	90.9	92.2	92.5	92.7	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	92.6	94.2	94.5	94.8	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	94.2	95.8	96.1	96.4	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	95.2	96.8	97.2	97.4	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	95.6	97.2	97.6	98.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	96.1	97.7	98.1	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	64.7	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	74.7	75.8	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 18000	74.7	75.8	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 16000	74.7	75.8	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 14000	75.7	76.7	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 12000	77.7	78.8	78.9	78.9	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 10000	81.7	82.9	83.1	83.1	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 9000	83.7	85.2	85.3	85.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 8000	85.2	87.0	87.1	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 7000	86.1	87.8	87.9	87.9	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 6000	87.6	89.7	90.1	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 5000	89.8	92.1	92.5	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 4500	90.2	92.5	92.9	93.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 4000	91.3	93.5	94.0	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3500	92.1	94.5	94.9	95.2	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3000	93.5	96.1	96.5	96.9	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	94.8	97.4	97.8	98.3	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	94.9	97.6	98.0	98.4	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5
≥ 1800	95.0	97.8	98.3	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 1500	95.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 1200	95.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 1000	95.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 900	95.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 800	95.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 700	95.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 600	95.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 500	95.3	98.1	98.5	98.9	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	95.3	98.1	98.5	98.9	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	95.3	98.1	98.5	98.9	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	95.3	98.1	98.5	98.9	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	95.3	98.1	98.5	98.9	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	95.3	98.1	98.5	98.9	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GL [illegible]AL CLIMATOLOGY BRANCH
[illegible]/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14-14	HECTOR APT FARGO ND	73-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	71.2	71.2	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.5	71.5	71.6	71.6
≥ 20000	78.2	79.3	79.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 18000	78.8	79.8	80.1	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 16000	78.8	79.8	80.1	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 14000	80.2	81.3	81.6	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	82.1	83.3	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	86.6	87.9	88.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 9000	88.6	89.9	90.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 8000	90.1	91.9	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 7000	91.4	93.3	93.5	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 6000	92.6	94.8	95.0	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
≥ 5000	93.5	95.8	96.2	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4500	93.7	96.0	96.4	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4000	93.8	96.2	96.6	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3500	94.0	96.4	96.8	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3000	94.6	97.0	97.4	97.8	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2500	95.0	97.4	97.8	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	95.2	97.7	98.1	98.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	95.2	97.7	98.1	98.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	95.2	97.7	98.1	98.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.2	97.7	98.1	98.8	99.7	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 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUL — MONTH
2100-2300 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	73.1	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
≥ 20000	79.4	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 18000	80.1	80.5	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 16000	80.1	80.6	80.9	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 14000	81.5	82.3	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 12000	84.3	84.8	84.9	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
≥ 10000	87.8	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 9000	89.8	90.6	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 8000	91.1	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 7000	92.3	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 6000	93.8	94.8	94.9	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
≥ 5000	94.2	95.4	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4500	94.4	95.6	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	95.0	96.4	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	95.3	96.8	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3000	95.9	97.3	97.8	98.0	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	96.5	98.0	98.5	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	96.6	98.1	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	96.6	98.1	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	96.8	98.3	98.8	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	97.0	98.7	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	97.0	98.7	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	97.0	98.7	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	97.0	98.7	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	97.0	98.7	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	97.0	98.7	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	97.2	98.8	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.2	98.8	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.2	98.8	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.2	98.8	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.2	98.8	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.2	98.8	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 — STATION
HECTOR AFT FARGO ND — STATION NAME
73-80 — YEARS
JUL — MONTH
ALL — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	66.1	67.3	67.5	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	73.6	74.8	75.1	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000	74.0	75.3	75.6	75.8	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	74.1	75.4	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2
≥ 14000	75.4	76.7	76.9	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000	77.9	79.3	79.5	79.7	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 10000	82.1	83.7	83.9	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 9000	84.0	85.7	85.9	86.2	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 8000	85.6	87.3	87.7	88.0	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 7000	86.8	88.6	88.9	89.2	89.5	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 6000	87.9	89.8	90.2	90.5	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 5000	89.0	91.0	91.5	91.8	92.1	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4500	89.4	91.5	91.9	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	90.2	92.4	92.9	93.2	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3500	90.5	92.8	93.2	93.6	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	91.4	93.8	94.2	94.6	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	92.2	94.6	95.1	95.5	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	92.8	95.3	95.8	96.3	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	93.0	95.6	96.1	96.5	96.9	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	93.3	96.0	96.5	96.9	97.3	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	93.7	96.5	97.0	97.5	97.9	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	93.9	96.7	97.3	97.8	98.2	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	94.0	97.0	97.5	98.0	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 800	94.1	97.0	97.5	98.1	98.5	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	94.1	97.1	97.6	98.1	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 600	94.1	97.1	97.7	98.2	98.7	98.9	99.	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	94.2	97.3	97.9	98.4	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	94.2	97.4	98.0	98.6	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	94.2	97.5	98.2	98.7	99.3	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	94.2	97.5	98.2	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	94.2	97.5	98.2	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0
= 0	94.2	97.5	98.2	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	63.4	64.5	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2
≥ 20000	67.3	68.5	68.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2
≥ 18000	67.5	68.7	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5
≥ 16000	67.7	69.0	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8
≥ 14000	69.1	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1
≥ 12000	71.6	72.8	72.8	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7
≥ 10000	76.3	77.6	77.6	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 9000	78.8	80.0	80.0	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9
≥ 8000	80.9	81.9	81.9	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8
≥ 7000	83.5	84.7	84.8	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.8
≥ 6000	84.8	86.2	86.4	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5
≥ 5000	86.4	87.8	88.1	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1
≥ 4500	87.1	88.3	88.6	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.9
≥ 4000	87.3	89.1	89.4	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 3500	88.3	89.5	89.8	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 3000	90.1	91.9	92.2	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4
≥ 2500	90.7	92.9	93.3	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5
≥ 2000	91.5	94.0	94.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 1800	92.1	94.5	94.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4
≥ 1500	92.3	95.0	95.4	96.5	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥ 1200	92.5	95.3	95.7	96.8	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
≥ 1000	92.9	95.7	96.1	97.3	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
≥ 900	93.1	96.0	96.4	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 800	93.1	96.2	96.6	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5
≥ 700	93.1	96.4	96.9	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7
≥ 600	93.1	96.6	97.3	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 500	93.4	96.9	97.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5
≥ 400	93.4	96.9	97.7	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7
≥ 300	93.4	96.9	97.7	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200	93.4	96.9	97.7	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100	93.4	96.9	97.7	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0	93.4	96.9	97.7	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

...L CLIMATOLOGY BRANCH
...ETAC
A... FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | ...CTOR AFT FARGO ND | 73-80 | AUG
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0600
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	59.1	60.9	61.4	61.8	62.0	62.0	62.2	62.2	62.2	62.5	62.5	62.5	62.6	62.6	63.0	63.2
≥ 20000	62.6	64.7	65.2	65.6	65.7	65.7	66.0	66.0	66.0	66.3	66.3	66.3	66.5	66.5	66.9	67.1
≥ 18000	63.2	65.2	65.7	66.1	66.3	66.3	66.5	66.5	66.5	66.8	66.8	66.8	67.1	67.1	67.5	67.6
≥ 16000	63.2	65.2	65.7	66.1	66.3	66.3	66.5	66.5	66.5	66.8	66.8	66.8	67.1	67.1	67.5	67.6
≥ 14000	64.4	66.4	66.9	67.5	67.6	67.6	67.9	67.9	67.9	68.1	68.1	68.1	68.4	68.4	68.8	69.0
≥ 12000	66.9	69.0	69.5	70.2	70.3	70.3	70.6	70.6	70.6	70.8	70.8	70.8	71.1	71.1	71.5	71.6
≥ 10000	70.4	72.4	73.0	73.7	73.8	73.8	74.1	74.1	74.3	74.6	74.6	74.6	74.9	74.9	75.3	75.4
≥ 9000	73.1	75.1	75.7	76.3	76.5	76.5	76.7	76.7	77.0	77.3	77.3	77.3	77.6	77.6	78.0	78.1
≥ 8000	75.4	77.4	78.0	78.6	78.8	78.8	79.0	79.0	79.3	79.6	79.6	79.6	79.8	79.8	80.2	80.4
≥ 7000	79.6	81.7	82.3	82.9	83.1	83.1	83.3	83.3	83.6	83.9	83.9	83.9	84.1	84.1	84.5	84.7
≥ 6000	81.3	83.6	84.1	84.8	84.9	84.9	85.2	85.2	85.5	85.8	85.8	85.8	86.0	86.0	86.4	86.6
≥ 5000	82.3	84.5	85.1	85.8	85.9	85.9	86.2	86.2	86.4	86.7	86.7	86.7	87.0	87.0	87.4	87.6
≥ 4500	82.8	85.8	86.3	87.0	87.1	87.1	87.4	87.4	87.6	87.9	87.9	87.9	88.2	88.2	88.6	88.8
≥ 4000	83.5	86.4	87.1	87.8	87.9	87.9	88.2	88.2	88.4	88.7	88.7	88.7	89.0	89.0	89.4	89.5
≥ 3500	83.7	86.7	87.4	88.0	88.2	88.2	88.4	88.4	88.7	89.0	89.0	89.0	89.2	89.2	89.7	89.8
≥ 3000	85.1	88.0	88.7	89.5	89.7	89.7	89.9	89.9	90.2	90.5	90.5	90.5	90.7	90.7	91.1	91.3
≥ 2500	85.3	88.4	89.2	90.1	90.2	90.2	90.5	90.5	90.7	91.0	91.0	91.0	91.3	91.3	91.7	91.8
≥ 2000	85.5	88.7	89.7	90.5	90.6	90.6	90.9	90.9	91.1	91.5	91.5	91.5	91.8	91.8	92.2	92.3
≥ 1800	86.1	89.2	90.2	91.0	91.1	91.1	91.4	91.4	91.7	92.1	92.1	92.1	92.3	92.3	92.7	92.9
≥ 1500	86.3	89.5	90.5	91.3	91.4	91.5	91.8	91.8	92.1	92.5	92.5	92.5	92.7	92.7	93.1	93.3
≥ 1200	87.1	91.3	91.3	92.1	92.2	92.3	92.6	92.6	92.9	93.3	93.3	93.3	93.5	93.5	94.0	94.1
≥ 1000	87.6	91.3	91.9	92.7	92.9	93.0	93.3	93.3	93.5	94.0	94.0	94.0	94.2	94.2	94.6	94.8
≥ 900	87.9	91.5	92.6	93.4	93.5	93.7	94.0	94.0	94.2	94.6	94.6	94.6	94.9	94.9	95.3	95.4
≥ 800	88.1	91.8	92.9	93.8	94.0	94.1	94.4	94.4	94.6	95.0	95.0	95.0	95.3	95.3	95.7	95.8
≥ 700	88.2	91.9	93.0	94.0	94.2	94.4	94.6	94.8	95.0	95.4	95.4	95.4	95.7	95.7	96.1	96.2
≥ 600	88.6	92.5	93.7	94.9	95.2	95.3	95.7	95.8	96.1	96.5	96.5	96.5	96.8	96.8	97.2	97.3
≥ 500	88.6	92.5	93.7	94.9	95.3	95.4	95.8	96.1	96.4	96.8	96.8	96.8	97.0	97.0	97.6	97.7
≥ 400	88.6	92.6	93.8	95.0	95.4	95.7	96.1	96.4	96.6	97.2	97.2	97.2	97.4	97.4	98.0	98.1
≥ 300	88.6	92.9	94.2	95.7	96.1	96.4	97.0	97.3	97.7	98.3	98.3	98.3	98.5	98.5	99.1	99.2
≥ 200	88.6	92.9	94.2	95.8	96.2	96.5	97.2	97.6	98.0	98.5	98.7	98.7	98.9	98.9	99.5	99.7
≥ 100	88.6	92.9	94.2	95.8	96.2	96.5	97.2	97.6	98.0	98.5	98.7	98.7	98.9	98.9	99.5	100.0
≥ 0	88.6	92.9	94.2	95.8	96.2	96.5	97.2	97.6	98.0	98.5	98.7	98.7	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	51.6	54.8	55.4	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.3	56.3	56.6	56.6	56.7	57.4
≥ 20000	57.8	61.4	62.1	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.9	62.9	63.3	63.3	63.4	64.1
≥ 18000	58.1	61.7	62.2	62.8	62.8	62.8	62.9	62.9	62.9	62.9	63.2	63.2	63.6	63.6	63.7	64.4
≥ 16000	58.1	61.7	62.2	62.8	62.8	62.8	62.9	62.9	62.9	62.9	63.2	63.2	63.6	63.6	63.7	64.4
≥ 14000	59.0	62.6	63.2	63.7	63.7	63.7	63.8	63.8	63.8	63.8	64.1	64.1	64.5	64.5	64.7	65.3
≥ 12000	60.3	64.7	65.5	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.5	66.5	66.9	66.9	67.1	67.7
≥ 10000	66.1	70.6	71.4	72.0	72.0	72.0	72.2	72.2	72.3	72.3	72.6	72.6	73.0	73.0	73.1	73.8
≥ 9000	67.7	72.2	73.0	73.8	73.8	73.8	73.9	73.9	74.1	74.1	74.5	74.5	74.9	74.9	75.0	75.7
≥ 8000	69.5	73.9	74.7	75.5	75.5	75.5	75.7	75.7	75.8	75.8	76.2	76.2	76.6	76.6	76.7	77.4
≥ 7000	72.6	77.2	78.0	78.8	78.8	78.8	78.9	78.9	79.0	79.0	79.4	79.4	79.8	79.8	80.0	80.6
≥ 6000	73.9	78.5	79.3	80.1	80.1	80.1	80.2	80.2	80.4	80.4	80.8	80.8	81.2	81.2	81.3	82.0
≥ 5000	75.1	80.0	80.8	81.6	81.6	81.6	81.7	81.7	81.9	81.9	82.3	82.3	82.7	82.7	82.8	83.5
≥ 4500	75.7	80.8	81.6	82.4	82.4	82.4	82.5	82.5	82.7	82.7	83.1	83.1	83.5	83.5	83.6	84.3
≥ 4000	76.2	81.3	82.1	82.9	82.9	82.9	83.1	83.1	83.2	83.2	83.6	83.6	84.0	84.0	84.1	84.8
≥ 3500	76.5	81.6	82.4	83.2	83.2	83.2	83.3	83.3	83.5	83.5	83.9	83.9	84.3	84.3	84.4	85.1
≥ 3000	77.6	82.9	83.7	84.5	84.5	84.5	84.7	84.7	84.8	84.8	85.2	85.2	85.6	85.6	85.8	86.4
≥ 2500	78.1	83.5	84.3	85.1	85.1	85.1	85.2	85.2	85.5	85.5	85.9	85.9	86.3	86.3	86.4	87.1
≥ 2000	78.9	84.4	85.2	86.0	86.2	86.3	86.4	86.4	86.7	86.7	87.1	87.1	87.5	87.5	87.6	88.3
≥ 1800	79.2	84.7	85.5	86.4	86.6	86.8	87.0	87.0	87.2	87.2	87.6	87.6	88.0	88.0	88.2	88.8
≥ 1500	79.4	84.9	85.8	86.7	86.8	87.2	87.5	87.5	87.8	87.8	88.2	88.2	88.6	88.6	88.7	89.4
≥ 1200	80.1	85.8	86.7	87.6	87.8	88.2	88.4	88.4	88.7	88.7	89.1	89.1	89.5	89.5	89.7	90.3
≥ 1000	81.1	87.0	87.9	88.8	89.1	89.5	89.8	89.8	90.1	90.1	90.5	90.5	90.9	90.9	91.0	91.7
≥ 900	81.6	87.8	88.7	89.7	89.9	90.3	90.6	90.6	90.9	90.9	91.3	91.3	91.7	91.7	91.8	92.5
≥ 800	81.7	88.2	89.1	90.1	90.3	90.7	91.0	91.0	91.3	91.3	91.7	91.7	92.1	92.1	92.2	92.9
≥ 700	82.1	88.6	89.5	90.5	90.7	91.3	91.7	91.7	91.9	91.9	92.3	92.3	92.7	92.7	92.9	93.5
≥ 600	82.1	88.8	89.8	90.9	91.1	91.7	92.1	92.1	92.3	92.3	92.7	92.7	93.1	93.1	93.3	94.1
≥ 500	82.3	89.2	90.2	91.4	92.1	92.7	93.1	93.1	93.4	93.4	93.8	93.8	94.2	94.2	94.4	95.0
≥ 400	82.3	89.2	90.2	91.7	92.5	93.1	93.5	93.8	94.1	94.2	94.8	94.8	95.2	95.2	95.3	96.1
≥ 300	82.7	89.7	90.6	92.1	93.0	93.7	94.6	95.0	95.3	95.6	96.1	96.1	96.5	96.5	96.6	97.4
≥ 200	82.7	89.7	90.6	92.1	93.1	93.8	94.8	95.2	95.4	95.7	96.4	96.4	96.8	97.0	97.2	98.0
≥ 100	82.7	89.7	90.6	92.1	93.1	93.8	94.8	95.2	95.4	95.7	96.4	96.4	96.9	97.2	97.6	99.2
≥ 0	82.7	89.7	90.6	92.1	93.1	93.8	94.8	95.2	95.4	95.7	96.4	96.4	96.9	97.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible]	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	59.1	59.4	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	64.2	65.6	65.9	66.1	66.	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 18000	64.2	65.9	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 16000	64.2	65.9	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 14000	65.5	67.1	67.3	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
≥ 12000	67.2	68.8	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 10000	72.2	74.2	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	73.5	75.7	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	74.3	76.6	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 7000	76.1	78.4	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 6000	77.4	79.7	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 5000	78.9	81.2	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	79.4	81.7	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	79.7	82.0	82.5	82.6	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	80.4	82.7	83.2	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000	81.7	84.1	84.7	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
≥ 2500	82.7	85.1	85.6	85.9	86.3	86.3	86.3	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	85.1	88.0	88.7	89.1	89.5	89.5	89.5	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	85.2	88.3	89.0	89.4	89.8	89.8	89.8	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	86.6	90.1	90.7	91.1	91.5	91.5	91.7	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	87.6	91.1	91.8	92.2	92.6	92.6	92.7	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1000	88.7	92.3	93.0	93.4	93.8	93.8	94.0	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	89.1	93.1	93.8	94.2	94.9	94.9	95.0	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	89.4	93.4	94.4	94.8	95.4	95.4	95.6	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	89.4	93.5	94.5	94.9	95.6	95.6	95.7	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	89.5	93.8	94.9	95.6	96.2	96.4	96.5	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	89.7	94.4	96.0	96.6	97.4	97.6	97.7	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	89.8	94.5	96.1	96.8	97.6	97.7	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	89.8	94.6	96.2	96.9	97.8	98.0	98.4	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 200	89.8	94.6	96.2	96.9	97.8	98.1	98.5	99.1	99.1	99.5	99.5	99.5	99.6	99.7	99.9	100.0
≥ 100	89.8	94.6	96.2	96.9	97.8	98.1	98.5	99.1	99.1	99.5	99.5	99.5	99.6	99.7	99.9	100.0
≥ 0	89.8	94.6	96.2	96.9	97.8	98.1	98.5	99.1	99.1	99.5	99.5	99.5	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 741

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

GL[illegible]AL CLIMATOLOGY BRANCH
[illegible]AFETAC
AT[illegible]EATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

1--14	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	53.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	62.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	62.8	63.8	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	64.0
≥ 16000	62.8	63.8	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	64.0
≥ 14000	63.9	64.9	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	65.1
≥ 12000	65.7	66.8	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
≥ 10000	70.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	72.2	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	73.9
≥ 8000	73.9	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000	75.7	77.4	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
≥ 6000	77.6	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	80.0	81.7	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
≥ 4500	80.9	82.7	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
≥ 4000	83.2	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
≥ 3500	84.3	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	86.6	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	86.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	88.2	90.1	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	89.4	91.9	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	90.3	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	91.5	94.1	94.5	94.9	95.0	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	92.5	95.3	95.8	96.2	96.5	96.5	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	92.9	95.7	96.2	96.6	96.9	96.9	97.0	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	93.3	96.1	96.8	97.2	97.4	97.4	97.7	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	93.3	96.2	96.9	97.3	97.7	97.7	98.0	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	93.3	96.5	97.2	97.6	98.0	98.0	98.3	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	93.4	96.8	97.4	97.8	98.3	98.3	98.5	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	93.4	96.8	97.4	97.8	98.3	98.4	98.7	98.9	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	93.4	96.8	97.4	97.8	98.3	98.5	98.8	99.1	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	93.4	96.8	97.4	97.8	98.3	98.5	99.1	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.4	96.8	97.4	97.8	98.3	98.5	99.1	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.4	96.8	97.4	97.8	98.3	98.5	99.1	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.4	96.8	97.4	97.8	98.3	98.5	99.1	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 60 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 ...14 | HECTOR APT FARGO ND | 73-80 | AUG
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 5/16	≥ 0
NO CEILING	57.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	65.1	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
≥ 18000	65.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 16000	65.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	66.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	68.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 10000	73.8	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	76.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	77.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	79.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 6000	82.0	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
≥ 5000	84.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500	85.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4000	87.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	90.6	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500	91.4	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	92.9	96.0	96.0	96.4	96.5	96.5	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	93.3	96.5	96.5	96.9	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	94.0	97.2	97.2	97.6	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	94.4	97.6	97.6	98.0	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	94.5	97.7	97.7	98.1	98.3	98.4	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	94.6	97.8	97.8	98.3	98.4	98.5	98.7	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	94.6	97.8	97.8	98.3	98.4	98.5	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	94.6	97.8	98.0	98.4	98.5	98.7	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	94.6	97.8	98.0	98.4	98.5	98.7	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	94.6	97.8	98.0	98.4	98.5	98.8	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.6	97.8	98.0	98.4	98.5	98.8	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.6	97.8	98.0	98.4	98.5	98.8	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.6	97.8	98.0	98.4	98.5	98.8	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.6	97.8	98.0	98.4	98.5	98.8	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.6	97.8	98.0	98.4	98.5	98.8	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	61.9	62.2	62.4	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9
≥ 20000	68.8	69.6	69.8	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3
≥ 18000	69.1	69.8	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
≥ 16000	69.4	70.2	70.3	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8
≥ 14000	70.2	71.0	71.1	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6
≥ 12000	73.1	73.9	74.1	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
≥ 10000	77.3	78.1	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8
≥ 9000	80.0	80.8	80.9	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.5
≥ 8000	80.8	81.7	81.9	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 7000	83.5	84.4	84.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1
≥ 6000	86.4	87.4	87.5	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0
≥ 5000	88.3	89.2	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9
≥ 4500	88.6	89.5	89.7	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
≥ 4000	90.5	91.4	91.5	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1
≥ 3500	91.3	92.5	92.6	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1
≥ 3000	92.5	93.8	94.2	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
≥ 2500	93.0	94.5	94.9	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
≥ 2000	93.1	95.2	95.6	95.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5
≥ 1800	93.3	95.4	95.8	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8
≥ 1500	93.8	96.1	96.6	97.0	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 1200	94.6	96.9	97.4	97.8	98.3	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 1000	94.9	97.2	97.7	98.3	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 900	94.9	97.2	97.7	98.3	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 800	95.0	97.3	97.8	98.4	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
≥ 700	95.0	97.3	97.8	98.4	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
≥ 600	95.2	97.4	98.0	98.5	98.9	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 500	95.2	97.6	98.1	98.7	99.2	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 400	95.2	97.6	98.1	98.7	99.2	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 300	95.2	97.6	98.1	98.7	99.2	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	95.2	97.6	98.1	98.7	99.2	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	95.2	97.6	98.1	98.7	99.2	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	95.2	97.6	98.1	98.7	99.2	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	65.6	65.7	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	72.2	72.6	72.7	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 18000	72.3	72.7	72.8	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 16000	72.3	72.7	72.8	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 14000	73.1	73.5	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 12000	74.7	75.1	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
≥ 10000	79.8	80.2	80.4	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
≥ 9000	82.0	82.4	82.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	83.3	83.9	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 7000	84.9	85.5	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 6000	87.5	88.6	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000	88.8	89.9	90.1	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
≥ 4500	89.2	90.5	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	91.3
≥ 4000	90.6	92.1	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
≥ 3500	91.1	92.9	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3000	92.7	94.5	94.6	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
≥ 2500	93.7	95.6	95.7	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	94.2	96.5	96.6	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
≥ 1800	94.5	96.8	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	94.5	96.9	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	94.6	97.0	97.2	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
≥ 1000	95.1	97.4	97.6	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	95.1	97.4	97.6	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	95.1	97.4	97.6	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	95.0	97.4	97.6	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	95.4	98.1	98.3	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	95.6	98.3	98.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	95.6	98.4	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.6	98.4	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.6	98.4	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.6	98.4	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.6	98.4	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 '14	HECTOR APT FARGO ND	73-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	58.8	60.0	60.2	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.9	61.0
≥ 20000	65.0	66.5	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.4	67.5
≥ 18000	65.3	66.7	66.9	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.7
≥ 16000	65.4	66.8	67.0	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.8
≥ 14000	66.4	67.9	68.1	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.8	68.9
≥ 12000	68.6	70.1	70.3	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.1	71.2
≥ 10000	73.3	75.0	75.3	75.7	75.7	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.1	76.2
≥ 9000	75.5	77.2	77.5	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.4
≥ 8000	76.9	78.8	79.1	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.7	79.7	79.8	79.8	79.9	80.0
≥ 7000	79.4	81.3	81.6	82.0	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.3	82.3	82.4	82.5
≥ 6000	81.4	83.4	83.7	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.5	84.5	84.6	84.7
≥ 5000	83.1	85.1	85.5	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.4
≥ 4500	83.6	85.8	86.2	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.9	86.9	86.9	86.9	87.0	87.1
≥ 4000	84.9	87.1	87.5	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.3	88.3	88.4	88.5
≥ 3500	85.6	87.9	88.2	88.6	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.1	89.2
≥ 3000	87.1	89.5	89.9	90.4	90.5	90.5	90.6	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.9	91.0
≥ 2500	87.9	90.5	90.9	91.4	91.5	91.5	91.6	91.6	91.7	91.8	91.9	91.9	91.9	91.9	92.0	92.1
≥ 2000	88.8	91.8	92.3	92.9	93.0	93.1	93.1	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.6	93.7
≥ 1800	89.2	92.3	92.8	93.4	93.5	93.6	93.7	93.7	93.8	93.9	93.9	93.9	94.0	94.0	94.1	94.2
≥ 1500	89.8	93.0	93.5	94.1	94.3	94.4	94.5	94.6	94.6	94.8	94.8	94.8	94.9	94.9	95.0	95.1
≥ 1200	90.4	93.7	94.2	94.9	95.1	95.2	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.8	95.9
≥ 1000	90.9	94.3	94.8	95.5	95.7	95.9	96.0	96.0	96.1	96.3	96.3	96.3	96.4	96.4	96.5	96.6
≥ 900	91.2	94.6	95.2	95.9	96.2	96.3	96.4	96.5	96.6	96.8	96.8	96.8	96.9	96.9	97.0	97.1
≥ 800	91.3	94.8	95.4	96.2	96.4	96.6	96.7	96.8	96.9	97.1	97.1	97.1	97.2	97.2	97.3	97.4
≥ 700	91.3	94.9	95.6	96.3	96.6	96.7	96.9	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.5	97.6
≥ 600	91.5	95.2	95.9	96.8	97.0	97.2	97.4	97.6	97.6	97.8	97.9	97.9	98.0	98.0	98.1	98.2
≥ 500	91.6	95.4	96.2	97.0	97.4	97.6	97.8	98.0	98.1	98.3	98.4	98.4	98.5	98.5	98.6	98.7
≥ 400	91.6	95.5	96.3	97.1	97.5	97.8	98.0	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.9	99.0
≥ 300	91.6	95.6	96.4	97.3	97.7	98.0	98.4	98.6	98.7	99.1	99.1	99.1	99.2	99.2	99.4	99.5
≥ 200	91.6	95.6	96.4	97.3	97.8	98.1	98.4	98.7	98.8	99.1	99.3	99.3	99.4	99.4	99.5	99.8
≥ 100	91.6	95.6	96.4	97.3	97.8	98.1	98.4	98.7	98.8	99.1	99.3	99.3	99.4	99.4	99.6	99.9
≥ 0	91.6	95.6	96.4	97.3	97.8	98.1	98.4	98.7	98.8	99.1	99.3	99.3	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	73-80	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	66.1	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	67.2	67.2	67.5	67.5	67.6	67.8
≥ 20000	68.5	69.0	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.6	69.6	69.9	69.9	70.0	70.1
≥ 18000	68.6	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.7	69.7	70.0	70.0	70.1	70.3
≥ 16000	68.6	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.7	69.7	70.0	70.0	70.1	70.3
≥ 14000	69.3	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.4	70.4	70.7	70.7	70.8	71.0
≥ 12000	70.8	71.4	71.5	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.9	71.9	72.2	72.2	72.4	72.5
≥ 10000	74.0	74.6	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	75.1	75.1	75.4	75.4	75.6	75.7
≥ 9000	75.7	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.8	76.8	77.1	77.1	77.2	77.4
≥ 8000	75.8	76.5	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.2	77.2	77.5	77.5	77.6	77.8
≥ 7000	77.9	78.6	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.3	79.3	79.6	79.6	79.7	79.9
≥ 6000	80.4	81.3	81.5	81.5	81.5	81.5	81.5	81.7	81.7	81.7	81.9	81.9	82.2	82.2	82.4	82.5
≥ 5000	81.4	82.2	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.9	82.9	83.2	83.2	83.3	83.5
≥ 4500	82.4	83.2	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.9	83.9	84.2	84.2	84.4	84.6
≥ 4000	83.3	84.2	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.9	84.9	85.1	85.1	85.4	85.6
≥ 3500	84.3	84.9	85.1	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.6	85.6	85.8	85.8	86.1	86.3
≥ 3000	85.6	86.4	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.2	87.2	87.5	87.5	87.8	87.9
≥ 2500	87.2	88.1	88.3	88.6	88.6	88.6	88.6	88.8	88.8	88.8	89.0	89.0	89.3	89.3	89.6	89.7
≥ 2000	89.0	89.9	90.4	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.3	91.3	91.5	91.5	91.8	91.9
≥ 1800	90.0	91.0	91.5	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.4	92.4	92.6	92.6	92.9	93.1
≥ 1500	90.6	91.5	92.1	92.5	92.6	92.6	92.6	92.8	92.8	92.8	93.1	93.1	93.3	93.3	93.6	93.8
≥ 1200	91.5	92.8	93.5	93.9	94.0	94.0	94.0	94.2	94.2	94.2	94.4	94.4	94.7	94.7	95.0	95.1
≥ 1000	92.4	93.6	94.4	95.0	95.1	95.1	95.1	95.3	95.3	95.3	95.6	95.6	95.8	95.8	96.1	96.3
≥ 900	92.9	94.2	95.0	95.6	95.7	95.7	95.7	95.8	95.8	95.8	96.1	96.1	96.4	96.4	96.7	96.8
≥ 800	93.6	95.0	95.8	96.4	96.5	96.5	96.5	96.7	96.7	96.7	96.9	96.9	97.2	97.2	97.5	97.6
≥ 700	94.2	96.0	96.8	97.5	97.6	97.6	97.6	97.8	97.8	97.8	98.1	98.1	98.3	98.3	98.6	98.8
≥ 600	94.2	96.0	96.8	97.5	97.6	97.6	97.6	97.8	97.8	97.8	98.1	98.1	98.3	98.3	98.6	98.8
≥ 500	94.2	96.3	97.1	97.8	97.9	97.9	98.1	98.2	98.2	98.3	98.6	98.6	98.9	98.9	99.3	99.4
≥ 400	94.2	96.3	97.1	97.9	98.3	98.3	98.5	98.6	98.6	98.8	99.0	99.0	99.3	99.3	99.7	99.9
≥ 300	94.2	96.3	97.1	97.9	98.3	98.3	98.5	98.6	98.6	98.8	99.0	99.0	99.3	99.3	99.7	99.9
≥ 200	94.2	96.3	97.1	97.9	98.3	98.3	98.5	98.8	98.8	98.9	99.2	99.2	99.4	99.4	99.9	100.0
≥ 100	94.2	96.3	97.1	97.9	98.3	98.3	98.5	98.8	98.8	98.9	99.2	99.2	99.4	99.4	99.9	100.0
≥ 0	94.2	96.3	97.1	97.9	98.3	98.3	98.5	98.8	98.8	98.9	99.2	99.2	99.4	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914 | HECTOR APT FARGO ND | 73-80 | SEP
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	63.3	64.7	64.7	64.9	64.9	64.9	65.0	65.3	65.3	65.4	65.7	65.7	65.8	66.1	66.2	66.2
≥ 20000	65.7	66.7	66.7	66.8	66.8	66.8	66.9	67.2	67.2	67.4	67.6	67.6	67.8	67.9	67.9	67.9
≥ 18000	65.8	66.8	66.8	66.9	66.9	66.9	67.1	67.4	67.4	67.5	67.8	67.8	67.9	68.1	68.1	68.1
≥ 16000	65.8	66.8	66.8	66.9	66.9	66.9	67.1	67.4	67.4	67.5	67.8	67.8	67.9	68.1	68.1	68.1
≥ 14000	66.7	67.6	67.6	67.8	67.8	67.8	67.9	68.2	68.2	68.3	68.6	68.6	68.8	68.9	68.9	68.9
≥ 12000	68.2	69.2	69.2	69.3	69.3	69.3	69.4	69.7	69.7	69.9	70.1	70.1	70.4	70.6	70.6	70.6
≥ 10000	70.6	71.5	71.5	71.7	71.7	71.7	71.8	72.1	72.1	72.2	72.5	72.5	72.8	72.9	72.9	72.9
≥ 9000	72.6	73.6	73.6	73.8	73.8	73.8	73.9	74.2	74.2	74.3	74.6	74.6	74.9	75.0	75.0	75.0
≥ 8000	74.2	75.1	75.1	75.3	75.3	75.3	75.4	75.7	75.7	75.8	76.1	76.1	76.4	76.5	76.5	76.5
≥ 7000	76.4	77.4	77.4	77.5	77.5	77.5	77.6	77.9	77.9	78.1	78.3	78.3	78.6	78.8	78.8	78.8
≥ 6000	78.8	79.7	79.7	79.9	79.9	79.9	80.0	80.3	80.3	80.4	80.7	80.7	81.0	81.1	81.1	81.1
≥ 5000	79.2	80.1	80.1	80.3	80.3	80.3	80.4	80.7	80.7	80.8	81.1	81.1	81.4	81.5	81.5	81.5
≥ 4500	80.3	81.0	81.1	81.1	81.1	81.1	81.3	81.5	81.5	81.7	81.9	81.9	82.2	82.4	82.4	82.4
≥ 4000	80.7	81.7	81.7	81.8	81.8	81.8	81.9	82.2	82.2	82.4	82.6	82.6	82.9	83.1	83.1	83.1
≥ 3500	81.1	82.2	82.2	82.4	82.4	82.4	82.5	82.8	82.8	82.9	83.2	83.2	83.5	83.6	83.6	83.6
≥ 3000	82.4	83.5	83.5	83.6	83.6	83.6	83.8	84.0	84.0	84.2	84.4	84.4	84.7	84.9	84.9	84.9
≥ 2500	84.2	85.3	85.3	85.4	85.4	85.4	85.6	85.8	85.8	86.0	86.3	86.3	86.5	86.7	86.7	86.7
≥ 2000	86.3	87.6	87.6	87.8	87.8	87.8	87.9	88.2	88.2	88.3	88.6	88.6	88.9	89.0	89.0	89.0
≥ 1800	87.5	88.9	88.9	89.0	89.0	89.0	89.2	89.4	89.4	89.6	89.9	89.9	90.1	90.3	90.3	90.3
≥ 1500	88.2	89.6	89.6	89.7	89.7	89.7	89.9	90.1	90.1	90.3	90.6	90.6	90.8	91.0	91.0	91.0
≥ 1200	90.3	91.7	91.9	92.1	92.1	92.1	92.2	92.5	92.5	92.6	92.9	92.9	93.2	93.3	93.3	93.3
≥ 1000	91.3	92.8	93.2	93.3	93.3	93.3	93.8	94.0	94.0	94.2	94.4	94.4	94.7	94.9	94.9	94.9
≥ 900	91.5	93.1	93.5	93.6	93.6	93.6	94.0	94.3	94.3	94.4	94.7	94.7	95.0	95.1	95.1	95.1
≥ 800	91.7	93.2	93.6	93.8	93.8	93.8	94.2	94.4	94.4	94.6	94.9	94.9	95.1	95.3	95.3	95.3
≥ 700	92.1	93.8	94.2	94.3	94.3	94.3	94.7	95.0	95.0	95.1	95.4	95.4	95.7	95.8	95.8	95.8
≥ 600	92.4	94.0	94.4	94.6	94.6	94.6	95.0	95.3	95.3	95.4	95.7	95.7	96.0	96.1	96.1	96.1
≥ 500	92.6	94.6	95.4	95.7	95.7	95.8	96.5	96.8	96.8	96.9	97.2	97.2	97.5	97.6	97.6	97.6
≥ 400	92.6	94.7	95.7	96.3	96.4	96.5	97.2	97.5	97.5	97.6	97.9	97.9	98.2	98.3	98.3	98.3
≥ 300	92.6	94.7	95.7	96.5	96.8	96.9	97.6	97.9	97.9	98.1	98.3	98.3	98.6	98.8	98.8	99.2
≥ 200	92.6	94.7	95.7	96.7	96.9	97.1	97.8	98.1	98.1	98.2	98.5	98.5	98.8	98.9	99.0	99.4
≥ 100	92.6	94.7	95.7	96.7	96.9	97.1	97.8	98.1	98.1	98.2	98.5	98.5	98.8	98.9	99.0	99.6
≥ 0	92.6	94.7	95.7	96.7	96.9	97.1	97.8	98.1	98.1	98.2	98.5	98.5	98.8	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-14	HECTOR APT FARGO ND	73-80	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	≥ 0
NO CEILING	53.3	55.4	55.6	55.8	55.8	55.8	56.1	56.1	56.3	56.4	56.4	56.4	56.5	56.7	57.1	57.1
≥ 20000	57.9	60.1	60.4	60.7	60.7	60.7	61.0	61.0	61.1	61.3	61.3	61.3	61.4	61.5	61.9	61.9
≥ 18000	57.9	60.1	60.4	60.8	60.8	60.8	61.1	61.1	61.3	61.4	61.4	61.4	61.5	61.7	62.1	62.1
≥ 16000	57.9	60.1	60.4	60.8	60.8	60.8	61.1	61.1	61.3	61.4	61.4	61.4	61.5	61.7	62.1	62.1
≥ 14000	58.3	60.6	60.8	61.3	61.3	61.3	61.5	61.5	61.7	61.8	61.8	61.8	61.9	62.1	62.5	62.5
≥ 12000	60.0	62.2	62.5	62.9	62.9	62.9	63.2	63.2	63.3	63.5	63.5	63.5	63.6	63.8	64.2	64.2
≥ 10000	62.9	65.3	65.6	66.0	66.0	66.0	66.3	66.3	66.4	66.5	66.5	66.5	66.7	66.8	67.2	67.2
≥ 9000	64.2	66.7	66.9	67.4	67.4	67.4	67.6	67.6	67.8	67.9	67.9	67.9	68.1	68.2	68.6	68.6
≥ 8000	66.0	68.5	68.8	69.2	69.2	69.2	69.4	69.4	69.6	69.7	69.7	69.7	69.9	70.0	70.4	70.4
≥ 7000	69.7	72.4	72.6	73.1	73.3	73.3	73.6	73.6	73.8	73.9	73.9	73.9	74.0	74.2	74.6	74.6
≥ 6000	71.9	74.7	75.0	75.4	75.7	75.7	76.0	76.0	76.1	76.3	76.3	76.3	76.4	76.5	76.9	76.9
≥ 5000	72.9	75.7	76.0	76.4	76.7	76.7	76.9	76.9	77.1	77.2	77.2	77.2	77.4	77.5	77.9	77.9
≥ 4500	73.5	76.5	76.9	77.4	77.6	77.6	78.1	78.1	78.2	78.3	78.3	78.3	78.5	78.6	79.0	79.0
≥ 4000	74.7	77.8	78.2	78.6	78.9	78.9	79.3	79.3	79.4	79.6	79.6	79.6	79.7	79.9	80.3	80.3
≥ 3500	75.0	78.1	78.5	78.9	79.2	79.2	79.6	79.6	79.7	79.9	79.9	79.9	80.0	80.1	80.6	80.6
≥ 3000	75.4	78.5	78.9	79.3	79.6	79.6	80.0	80.0	80.1	80.3	80.3	80.3	80.4	80.6	81.0	81.0
≥ 2500	76.3	79.4	79.9	80.3	80.6	80.6	81.0	81.0	81.1	81.3	81.3	81.3	81.4	81.5	81.9	81.9
≥ 2000	77.4	80.7	81.1	81.5	81.8	81.8	82.2	82.2	82.4	82.5	82.5	82.5	82.6	82.8	83.2	83.2
≥ 1800	78.6	81.9	82.4	82.8	83.1	83.1	83.6	83.6	83.8	83.9	83.9	83.9	84.0	84.2	84.6	84.6
≥ 1500	80.4	83.9	84.3	84.7	85.0	85.0	85.6	85.6	85.7	85.8	85.8	85.8	86.0	86.1	86.5	86.5
≥ 1200	82.2	85.7	86.1	86.5	86.8	86.9	87.5	87.5	87.6	87.8	87.8	87.8	87.9	88.1	88.5	88.5
≥ 1000	84.2	88.1	88.5	88.9	89.2	89.4	90.1	90.1	90.3	90.6	90.6	90.6	90.7	90.8	91.3	91.3
≥ 900	85.0	89.0	89.4	89.9	90.1	90.4	91.1	91.1	91.3	91.5	91.5	91.5	91.7	91.8	92.2	92.2
≥ 800	85.7	89.7	90.1	90.7	91.0	91.3	91.9	91.9	92.1	92.4	92.4	92.4	92.5	92.6	93.1	93.1
≥ 700	86.7	90.8	91.4	91.9	92.4	92.6	93.3	93.3	93.5	93.8	93.8	93.8	93.9	94.0	94.4	94.4
≥ 600	87.4	91.9	92.5	93.2	93.6	93.9	94.6	94.7	94.9	95.1	95.1	95.1	95.3	95.4	95.8	95.8
≥ 500	87.4	92.2	93.1	93.8	94.2	94.4	95.1	95.3	95.4	95.7	95.7	95.7	95.8	96.0	96.4	96.4
≥ 400	87.5	92.4	93.2	93.9	94.3	94.6	95.7	95.8	96.0	96.3	96.3	96.3	96.4	96.5	96.9	96.9
≥ 300	87.6	92.6	93.5	94.2	94.7	95.0	96.1	96.3	96.4	96.9	96.9	96.9	97.1	97.4	97.8	98.2
≥ 200	87.6	92.6	93.5	94.2	94.9	95.1	96.4	96.7	96.8	97.4	97.4	97.4	97.5	97.8	98.2	98.6
≥ 100	87.6	92.6	93.5	94.2	94.9	95.1	96.4	96.7	96.8	97.4	97.5	97.5	97.6	97.9	98.6	99.0
≥ 0	87.6	92.6	93.5	94.2	94.9	95.1	96.4	96.7	96.8	97.4	97.5	97.5	97.6	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	73-80	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	55.1	55.7	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	60.3	60.8	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	60.6	61.1	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	60.7	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 14000	61.1	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	61.5	62.1	62.2	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	63.6	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 9000	65.8	66.5	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 8000	68.3	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	70.7	71.5	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 6000	72.4	73.2	73.3	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 5000	72.6	73.9	74.0	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	72.8	74.0	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4
≥ 4000	73.6	75.0	75.1	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4
≥ 3500	74.0	75.4	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
≥ 3000	74.9	76.3	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7	76.7	76.7
≥ 2500	77.2	78.6	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0
≥ 2000	80.4	81.9	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.4	82.4	82.4	82.5	82.5	82.5	82.5
≥ 1800	81.7	83.2	83.5	83.5	83.6	83.6	83.8	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0
≥ 1500	84.2	86.0	86.3	86.3	86.4	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9
≥ 1200	87.2	89.3	89.7	89.9	90.3	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8
≥ 1000	88.5	90.8	91.5	91.7	92.1	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6
≥ 900	89.3	92.1	92.8	92.9	93.3	93.5	93.6	93.6	93.6	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 800	89.7	92.6	93.3	93.5	93.9	94.0	94.2	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 700	89.7	93.3	94.0	94.9	95.3	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8
≥ 600	90.4	94.2	95.0	96.0	96.5	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.1
≥ 500	90.6	94.9	95.7	96.8	97.6	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 400	90.6	94.9	95.7	96.8	97.8	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.5	98.5	98.5	98.5
≥ 300	90.7	95.3	96.3	97.4	98.5	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 200	90.7	95.3	96.3	97.4	98.5	98.9	99.3	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7
≥ 100	90.7	95.3	96.3	97.4	98.5	98.9	99.3	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.9
≥ 0	90.7	95.3	96.3	97.4	98.5	98.9	99.3	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 729

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 014 (STATION) | HECTOR APT FARGO ND (STATION NAME) | 73-80 (YEARS) | SEP (MONTH) | 1200-1400 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 16000	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 14000	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 10000	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 9000	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	69.4	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
≥ 6000	71.3	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 5000	72.6	73.3	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
≥ 4500	73.5	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000	76.1	76.8	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
≥ 3500	79.0	79.7	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
≥ 3000	81.5	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	84.7	85.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	87.6	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	88.6	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	90.8	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1200	92.2	93.8	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
≥ 1000	93.6	95.3	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	94.1	95.8	96.7	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
≥ 800	94.3	96.1	96.9	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	94.6	96.7	97.5	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	94.7	97.6	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.7	97.8	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	94.7	97.8	98.6	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 300	94.7	97.8	98.6	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 200	94.7	97.8	98.6	99.0	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	94.7	97.8	98.6	99.0	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	94.7	97.8	98.6	99.0	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 72[illegible]

AL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | HECTOR APT FARGO ND | 73-80 | SEP

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	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	57.9	57.9	57.9
≥ 20000	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 18000	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 10000	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	68.2
≥ 9000	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000	76.1	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 5000	78.2	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4500	79.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	82.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3500	83.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	87.2	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	89.3	90.3	90.4	90.4	90.6	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	91.3	92.6	92.9	92.9	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	92.1	93.6	93.9	93.9	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	92.9	94.4	94.7	94.7	94.9	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	93.6	95.1	95.4	95.6	95.7	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	94.4	96.3	96.5	96.7	96.8	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	94.7	96.5	96.8	96.9	97.1	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	95.4	97.2	97.6	97.8	97.9	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	95.6	97.5	97.9	98.1	98.2	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	95.7	97.9	98.3	98.5	98.6	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.7	97.9	98.3	98.5	98.6	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	95.7	97.9	98.3	98.5	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	95.7	97.9	98.5	98.8	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	95.7	97.9	98.5	98.8	98.9	9.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.7	97.9	98.5	98.8	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.7	97.9	98.5	98.8	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 72

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

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

CEILING VERSUS VISIBILITY

1 14 — STATION
...ECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
SEP — MONTH
1800-2000 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	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	67.6
≥ 16000	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	67.6
≥ 14000	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 12000	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	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	72.1	72.1
≥ 9000	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	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	81.5
≥ 4500	82.6	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
≥ 4000	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3000	89.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	91.3	92.1	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	92.2	93.8	93.8	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	92.9	94.4	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	93.3	94.9	95.0	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	93.9	95.4	95.8	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	94.2	95.7	96.4	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	94.3	96.1	96.9	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	94.4	96.3	97.1	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	94.4	96.3	97.1	97.9	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	94.5	96.5	97.4	98.2	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	94.7	96.7	97.6	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	94.7	96.7	97.8	98.6	99.0	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.7	96.7	97.8	98.6	99.0	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.7	96.7	97.8	98.6	99.0	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.7	96.7	97.8	98.6	99.0	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.7	96.7	97.8	98.6	99.0	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 72...

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

...AL CLIMATOLOGY BRANCH
...ETAC
...WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14 | HECTOR APT FARGO ND | 73-80 | SEP
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	66.4	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
≥ 20000	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 18000	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 16000	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 14000	70.6	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
≥ 12000	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 10000	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 8000	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 6000	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	82.9	83.3	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
≥ 4500	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	86.1	86.5	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
≥ 3500	86.7	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3000	88.6	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	91.0	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
≥ 2000	92.4	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	92.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	92.9	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	94.1	95.4	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	94.6	96.1	96.8	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
≥ 900	94.9	96.5	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	95.1	96.9	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	95.4	97.4	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	95.7	97.8	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	95.7	97.8	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	95.7	97.8	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	95.7	97.8	98.6	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	95.7	97.8	98.6	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	95.7	97.8	98.6	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	95.7	97.8	98.6	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

...L FAL CLIMATOLOGY BRANCH
...-ETAC
A ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 ...14 | HECTOR APT FARGO ND | 73-80 | SEP
STATION | STATION NAME | YEARS | MONTH

ALL
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	60.2	60.6	60.9	60.9	60.9	60.9	61.0	61.0	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.4
≥ 20000	64.0	64.7	64.8	64.8	64.8	64.8	64.9	64.9	64.9	65.0	65.1	65.1	65.1	65.2	65.2	65.2
≥ 18000	64.2	64.8	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.4	65.4
≥ 16000	64.2	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.4	65.4
≥ 14000	64.9	65.5	65.6	65.6	65.6	65.6	65.7	65.8	65.8	65.8	65.9	65.9	66.0	66.0	66.1	66.1
≥ 12000	66.2	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.4	67.4	67.4
≥ 10000	68.8	69.4	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.9	69.9	70.0	70.0
≥ 9000	70.3	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.6	71.6
≥ 8000	71.6	72.3	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.9	72.9
≥ 7000	74.0	74.8	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.4	75.4	75.5	75.5
≥ 6000	76.3	77.3	77.4	77.5	77.5	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.9	77.9	78.0	78.0
≥ 5000	77.7	78.6	78.8	78.9	78.9	78.9	79.0	79.1	79.1	79.1	79.2	79.2	79.3	79.3	79.4	79.4
≥ 4500	78.6	79.7	79.9	79.9	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.3	80.4	80.5	80.5
≥ 4000	80.3	81.4	81.6	81.7	81.7	81.7	81.8	81.8	81.9	81.9	82.0	82.0	82.1	82.1	82.2	82.2
≥ 3500	81.3	82.4	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.9	83.0	83.0	83.1	83.1	83.2	83.2
≥ 3000	83.2	84.4	84.6	84.7	84.7	84.7	84.8	84.8	84.9	84.9	85.0	85.0	85.1	85.1	85.2	85.2
≥ 2500	85.1	86.4	86.6	86.7	86.8	86.8	86.9	87.0	87.0	87.0	87.1	87.1	87.2	87.2	87.3	87.3
≥ 2000	87.1	88.6	88.8	89.0	89.0	89.0	89.2	89.2	89.3	89.3	89.4	89.4	89.5	89.5	89.6	89.6
≥ 1800	88.0	89.6	89.9	90.0	90.1	90.1	90.2	90.3	90.3	90.4	90.5	90.5	90.6	90.6	90.7	90.7
≥ 1500	89.2	90.8	91.1	91.3	91.4	91.4	91.5	91.6	91.6	91.7	91.8	91.8	91.9	91.9	92.0	92.0
≥ 1200	90.6	92.4	92.9	93.1	93.3	93.4	93.5	93.6	93.6	93.6	93.7	93.7	93.8	93.8	93.9	93.9
≥ 1000	91.6	93.6	94.2	94.5	94.7	94.7	94.9	95.0	95.0	95.1	95.2	95.2	95.3	95.3	95.4	95.4
≥ 900	92.1	94.2	94.8	95.1	95.3	95.4	95.6	95.7	95.7	95.7	95.8	95.8	95.9	96.0	96.0	96.1
≥ 800	92.5	94.6	95.3	95.6	95.8	95.9	96.1	96.2	96.2	96.3	96.4	96.4	96.5	96.5	96.6	96.6
≥ 700	92.8	95.2	95.9	96.4	96.6	96.7	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.4
≥ 600	93.1	95.7	96.4	97.0	97.2	97.3	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0
≥ 500	93.2	96.0	96.8	97.4	97.7	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.5	98.6	98.6
≥ 400	93.2	96.0	96.9	97.5	97.9	98.0	98.5	98.6	98.6	98.7	98.8	98.8	98.9	98.9	99.0	99.0
≥ 300	93.2	96.1	97.0	97.7	98.1	98.3	98.7	98.8	98.9	99.0	99.1	99.1	99.2	99.3	99.4	99.5
≥ 200	93.2	96.1	97.0	97.7	98.2	98.4	98.9	99.0	99.1	99.2	99.3	99.3	99.4	99.5	99.6	99.7
≥ 100	93.2	96.1	97.0	97.7	98.2	98.4	98.9	99.0	99.1	99.2	99.3	99.3	99.4	99.5	99.7	99.8
≥ 0	93.2	96.1	97.0	97.7	98.2	98.4	98.9	99.0	99.1	99.2	99.3	99.3	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5760

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

...L...RAL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 ...14 | HECTOR APT FARGO ND | 73-80 | OCT
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0...
HOURS (L...)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	57.4	57.5	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2
≥ 20000	61.7	61.8	62.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6
≥ 18000	61.8	62.0	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8
≥ 17000	61.8	62.0	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8
≥ 14000	62.6	62.8	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.6
≥ 12000	64.2	64.4	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2
≥ 10000	68.1	68.3	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
≥ 9000	69.5	69.8	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6
≥ 8000	71.3	71.2	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0
≥ 7000	73.4	73.7	73.8	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7
≥ 6000	75.4	75.7	75.8	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7
≥ 5000	78.4	78.8	78.9	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8
≥ 4500	80.1	80.5	80.6	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6
≥ 4000	82.7	82.4	82.5	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5
≥ 3500	82.7	83.1	83.2	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1
≥ 3000	83.9	84.5	84.7	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6
≥ 2500	87.1	87.8	87.9	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8
≥ 2000	89.1	89.9	90.1	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3
≥ 1800	89.9	91.0	91.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5
≥ 1500	90.7	91.8	91.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.3	93.3	93.3
≥ 1200	92.3	94.1	94.2	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0	96.0	96.0
≥ 1000	93.4	95.4	95.6	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 900	94.0	96.0	96.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8
≥ 800	94.0	96.0	96.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8
≥ 700	94.4	96.4	96.5	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3
≥ 600	94.4	96.5	96.6	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.5
≥ 500	94.8	96.9	97.2	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.2
≥ 400	94.9	97.2	97.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.5
≥ 300	95.0	97.3	97.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.6
≥ 200	95.0	97.3	97.7	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0
≥ 100	95.0	97.3	97.7	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0
≥ 0	95.0	97.3	97.7	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 -14 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	57.1	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.9
≥ 20000	59.3	59.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2
≥ 18000	59.4	59.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.4
≥ 16000	59.4	59.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.4
≥ 14000	60.3	60.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.4
≥ 12000	61.3	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.3
≥ 10000	65.6	66.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.6
≥ 9000	66.9	67.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.1
≥ 8000	67.7	68.3	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.9
≥ 7000	70.6	71.1	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	72.7
≥ 6000	71.9	72.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3
≥ 5000	74.3	75.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7
≥ 4500	75.5	76.3	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	78.0
≥ 4000	78.5	79.4	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2
≥ 3500	79.6	80.5	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	82.3
≥ 3000	82.1	83.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.8
≥ 2500	84.4	85.6	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4
≥ 2000	88.0	89.9	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.8
≥ 1800	88.8	90.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6
≥ 1500	89.7	91.5	93.0	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.5
≥ 1200	90.9	92.9	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.9
≥ 1000	91.4	93.4	94.9	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.6
≥ 900	91.7	93.7	95.2	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.8
≥ 800	91.9	93.8	95.4	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.2
≥ 700	92.6	94.8	96.4	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.2
≥ 600	93.1	95.4	97.0	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.1
≥ 500	93.1	95.4	97.2	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.5
≥ 400	93.1	95.4	97.3	98.0	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.9
≥ 300	93.1	95.4	97.3	98.0	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.9
≥ 200	93.1	95.4	97.3	98.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.3
≥ 100	93.1	95.4	97.3	98.3	98.5	98.5	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	100.0
≥ 0	93.1	95.4	97.3	98.3	98.5	98.5	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH
0600-0800 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	51.5	53.8	53.9	54.2	54.4	54.4	54.7	54.7	54.7	54.7	55.0	55.1	55.1	55.1	55.1	55.4
≥ 20000	53.4	56.5	56.9	57.3	57.5	57.5	57.8	57.8	57.8	57.8	58.1	58.2	58.2	58.2	58.2	58.5
≥ 18000	54.1	56.7	57.1	57.5	57.8	57.8	58.1	58.1	58.1	58.1	58.3	58.5	58.5	58.5	58.5	58.7
≥ 16000	54.1	56.7	57.1	57.5	57.8	57.8	58.1	58.1	58.1	58.1	58.3	58.5	58.5	58.5	58.5	58.7
≥ 14000	55.5	58.2	58.6	59.0	59.3	59.3	59.5	59.5	59.5	59.5	59.8	59.9	59.9	59.9	59.9	60.2
≥ 12000	56.4	59.5	59.9	60.3	60.6	60.6	60.9	60.9	60.9	60.9	61.2	61.3	61.3	61.3	61.3	61.6
≥ 10000	61.7	64.4	64.8	65.2	65.5	65.5	65.7	65.7	65.7	65.7	66.0	66.1	66.1	66.1	66.1	66.4
≥ 9000	63.0	65.9	66.3	66.7	66.9	66.9	67.2	67.2	67.2	67.2	67.5	67.6	67.6	67.6	67.6	67.9
≥ 8000	63.3	66.1	66.5	66.9	67.2	67.2	67.5	67.5	67.5	67.5	67.7	67.9	67.9	67.9	67.9	68.1
≥ 7000	65.4	68.8	69.2	69.6	69.9	69.9	70.2	70.2	70.2	70.2	70.4	70.6	70.6	70.6	70.6	70.8
≥ 6000	68.1	71.0	71.4	71.8	72.0	72.0	72.3	72.3	72.3	72.3	72.6	72.7	72.7	72.7	72.7	73.0
≥ 5000	69.9	73.0	73.5	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.7	74.9	74.9	74.9	74.9	75.1
≥ 4500	71.2	74.3	74.9	75.3	75.5	75.5	75.8	75.8	75.8	75.8	76.1	76.2	76.2	76.2	76.2	76.5
≥ 4000	73.4	76.7	77.3	77.7	78.0	78.0	78.2	78.2	78.2	78.2	78.5	78.6	78.6	78.6	78.6	78.9
≥ 3500	74.6	78.0	78.5	78.9	79.2	79.2	79.4	79.4	79.4	79.4	79.7	79.8	79.8	79.8	79.8	80.1
≥ 3000	76.7	80.2	80.8	81.2	81.5	81.5	81.7	81.7	81.7	81.7	82.0	82.1	82.1	82.1	82.1	82.4
≥ 2500	79.4	83.1	83.6	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.8	84.9	84.9	84.9	84.9	85.2
≥ 2000	82.7	86.6	87.1	87.5	87.8	87.8	88.0	88.0	88.0	88.0	88.3	88.4	88.4	88.4	88.4	88.7
≥ 1800	83.6	87.5	88.0	88.6	88.8	88.8	89.1	89.1	89.1	89.1	89.4	89.5	89.5	89.5	89.5	89.8
≥ 1500	84.5	88.6	89.1	89.7	89.9	89.9	90.2	90.2	90.2	90.2	90.5	90.6	90.6	90.6	90.6	90.9
≥ 1200	86.0	90.3	91.0	91.5	91.8	91.8	92.1	92.1	92.1	92.1	92.3	92.5	92.5	92.5	92.5	92.7
≥ 1000	86.8	91.3	92.1	92.6	93.0	93.1	93.4	93.5	93.5	93.5	93.8	94.0	94.0	94.0	94.0	94.2
≥ 900	86.9	91.3	92.2	92.9	93.3	93.4	93.7	93.8	93.8	93.8	94.1	94.2	94.2	94.2	94.2	94.5
≥ 800	87.1	91.4	92.3	93.0	93.4	93.5	93.8	94.1	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.8
≥ 700	87.6	92.1	93.0	93.7	94.1	94.2	94.5	94.8	94.8	94.8	95.0	95.2	95.2	95.2	95.2	95.4
≥ 600	88.0	92.7	94.0	94.8	95.2	95.3	95.6	95.8	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.5
≥ 500	88.0	92.7	94.2	95.6	96.0	96.2	96.5	96.8	96.8	96.8	97.0	97.2	97.2	97.2	97.2	97.4
≥ 400	88.0	92.9	94.4	95.8	96.2	96.5	96.8	97.0	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.8
≥ 300	88.2	92.9	94.5	96.2	96.6	96.9	97.3	97.6	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.4
≥ 200	88.2	92.9	94.5	96.2	96.6	97.2	97.6	97.8	97.8	98.0	98.3	98.4	98.4	98.4	98.4	99.2
≥ 100	88.2	92.9	94.5	96.2	96.6	97.3	97.7	98.0	98.0	98.1	98.4	98.5	98.5	98.5	98.7	99.5
≥ 0	88.2	92.9	94.5	96.2	96.6	97.3	97.7	98.0	98.0	98.1	98.4	98.5	98.5	98.5	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

CEILING VERSUS VISIBILITY

1[illegible]14	HECTOR APT FARGO ND	73-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.7	52.2	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	56.3	58.7	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	56.5	59.4	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	56.5	59.4	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	57.3	60.3	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	58.9	62.0	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 10000	62.5	65.9	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	63.2	66.7	67.3	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
≥ 8000	63.6	67.1	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	65.2	68.7	69.5	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 6000	66.5	70.0	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	68.3	71.5	72.3	72.4	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.6	72.8	72.8
≥ 4500	69.1	72.6	73.4	73.5	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4000	71.5	75.1	75.9	76.1	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500	72.2	75.8	76.6	76.7	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3000	73.5	77.4	78.2	78.4	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2500	77.2	81.3	82.1	82.3	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	80.9	85.1	85.9	86.2	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1800	82.1	86.4	87.2	87.5	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	82.9	87.4	88.2	88.4	88.7	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1200	83.9	89.1	89.9	90.2	90.5	90.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1000	84.7	90.1	90.9	91.1	91.4	91.5	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	85.1	90.9	91.7	92.2	92.5	92.6	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800	85.9	91.8	92.6	93.1	93.4	93.5	94.1	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	86.3	92.2	93.1	93.7	94.1	94.2	95.0	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	86.4	92.9	94.1	94.6	95.0	95.4	96.5	97.0	97.0	97.4	97.4	97.6	97.6	97.6	97.6	97.6
≥ 500	86.4	93.0	94.2	94.9	95.3	95.7	96.9	97.4	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0
≥ 400	86.4	93.1	94.4	95.0	95.7	96.1	97.3	98.0	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7
≥ 300	86.4	93.3	94.5	95.2	95.8	96.2	97.6	98.3	98.3	98.9	98.9	99.1	99.1	99.1	99.1	99.2
≥ 200	86.4	93.3	94.5	95.2	95.8	96.4	97.7	98.4	98.4	99.1	99.1	99.2	99.2	99.2	99.2	99.5
≥ 100	86.4	93.3	94.5	95.2	95.8	96.4	97.7	98.4	98.4	99.1	99.1	99.2	99.2	99.2	99.2	99.5
≥ 0	86.4	93.3	94.5	95.2	95.8	96.4	97.7	98.4	98.4	99.1	99.1	99.2	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

OL AL CLIMATOLOGY BRANCH
ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.3	50.5	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	56.6	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	56.6	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	56.6	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	57.4	59.1	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	59.8	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000	62.4	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	63.3	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 8000	64.7	66.7	66.7	66.7	66.9	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 7000	67.1	69.2	69.2	69.4	69.6	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 6000	67.9	70.0	70.0	70.3	70.6	70.7	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	69.6	71.8	71.8	72.0	72.3	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	70.2	72.3	72.3	72.6	72.8	73.0	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	73.3	75.4	75.4	75.7	75.9	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3500	74.2	76.3	76.3	76.6	76.9	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	77.7	80.0	80.0	80.2	80.5	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	80.9	83.2	83.2	83.5	83.7	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	84.3	87.1	87.1	87.4	87.6	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	84.8	87.8	87.9	88.2	88.4	88.6	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1500	85.9	89.1	89.4	89.9	90.5	90.6	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200	86.6	90.2	90.6	91.1	91.7	91.8	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1000	87.2	90.9	91.3	92.1	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 900	88.1	92.1	92.5	93.3	94.2	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	88.3	92.9	93.3	94.1	95.0	95.2	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 700	88.4	93.3	93.7	94.5	95.4	95.6	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600	88.7	94.0	94.4	95.7	96.6	96.8	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	88.7	94.1	94.5	96.1	97.0	97.3	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	88.7	94.2	94.8	96.6	97.6	97.8	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	88.7	94.5	95.0	97.0	98.0	98.4	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	88.7	94.5	95.0	97.0	98.0	98.4	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	88.7	94.5	95.0	97.0	98.0	98.4	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	88.7	94.5	95.1	97.0	98.0	98.4	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 ...1	HECTOR APT FARGO ND	73-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.3	49.6	49.6	49.6	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	58.1	58.5	58.5	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	58.3	58.7	58.7	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 16000	58.3	58.7	58.7	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	59.3	59.7	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 12000	62.6	63.0	63.0	63.0	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	64.8	65.5	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	65.9	66.7	66.7	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 8000	68.3	69.5	69.5	69.5	69.5	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 7000	69.9	70.8	70.8	70.8	71.0	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	71.6	72.6	72.6	72.6	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	74.3	75.4	75.4	75.7	75.8	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4500	75.7	76.1	76.1	76.3	76.5	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4000	78.2	79.3	79.3	79.6	79.7	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	80.1	81.2	81.2	81.5	81.6	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	83.1	84.3	84.3	84.5	84.7	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	84.7	86.3	86.8	87.1	87.2	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	86.2	88.4	89.0	89.4	89.5	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	86.8	89.1	89.7	90.1	90.2	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	87.8	90.6	91.1	91.5	91.7	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	87.8	90.9	91.6	92.3	92.5	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	89.1	92.2	93.1	93.8	94.1	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	89.2	92.5	93.4	94.1	94.5	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	89.2	92.6	93.5	94.2	94.6	94.9	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	89.7	93.3	94.2	95.2	95.6	95.8	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	89.8	93.5	94.6	95.8	96.2	96.5	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	89.8	93.5	94.9	96.2	96.6	97.0	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	89.8	93.8	95.2	96.5	96.9	97.7	98.7	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	89.8	94.0	95.3	96.8	97.2	98.1	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	89.8	94.0	95.3	96.8	97.2	98.1	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	89.8	94.0	95.3	96.8	97.2	98.1	99.1	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	89.8	94.0	95.3	96.8	97.2	98.1	99.1	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	73-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	52.9	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	60.0	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	60.7	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	60.8	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	61.9	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	65.9	66.2	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
≥ 10000	68.9	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	69.3	69.3
≥ 9000	70.5	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000	71.3	72.0	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	72.3
≥ 7000	74.3	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 6000	75.6	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	77.0	77.0
≥ 5000	78.1	79.1	79.1	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
≥ 4500	79.3	80.5	80.5	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
≥ 4000	82.5	83.8	83.8	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	83.7	85.1	85.1	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000	85.5	86.8	86.9	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.8	87.8
≥ 2500	86.5	88.6	88.8	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	88.3	90.7	91.1	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	88.4	90.8	91.3	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	89.9	92.3	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
≥ 1200	90.2	92.6	93.1	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	91.1	93.5	94.1	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
≥ 900	91.5	94.3	94.9	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	91.8	94.8	95.4	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
≥ 700	91.8	94.8	95.4	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	91.8	95.0	96.0	98.0	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	91.8	95.0	96.1	98.1	98.3	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	91.8	95.0	96.1	98.3	98.4	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	91.8	95.2	96.2	98.5	98.7	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	91.8	95.4	96.5	98.8	98.9	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.8	95.4	96.5	98.8	98.9	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.8	95.4	96.5	98.8	98.9	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 743

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 014	HECTOR APT FARGO ND	73-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	54.3	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.?	55.0
≥ 20000	59.1	59.7	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.1	60.1
≥ 18000	60.1	60.6	60.6	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0
≥ 16000	60.2	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2
≥ 14000	62.2	62.8	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2	63.2
≥ 12000	64.7	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.9	65.9
≥ 10000	68.3	69.1	69.1	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5
≥ 9000	70.3	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5
≥ 8000	71.8	72.8	72.8	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3
≥ 7000	76.1	77.2	77.2	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6
≥ 6000	78.4	79.6	79.6	79.7	79.7	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
≥ 5000	81.2	82.5	82.5	82.7	82.7	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2
≥ 4500	82.?	83.5	83.5	83.6	83.6	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
≥ 4000	84.4	85.9	85.9	86.2	86.2	86.3	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
≥ 3500	84.9	86.4	86.6	86.8	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.4	87.4
≥ 3000	86.6	88.2	88.6	88.6	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4
≥ 2500	87.9	89.7	90.2	90.5	90.5	90.6	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 2000	89.8	91.5	92.1	92.3	92.3	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9
≥ 1800	90.3	92.1	92.7	93.0	93.0	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5
≥ 1500	91.0	92.9	93.7	94.1	94.1	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
≥ 1200	91.8	93.8	94.6	95.0	95.0	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6
≥ 1000	92.7	94.9	95.7	96.1	96.1	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6
≥ 900	93.0	95.3	96.1	96.5	96.5	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 800	93.3	95.6	96.4	96.8	96.8	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
≥ 700	93.5	96.4	97.2	97.6	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 600	93.5	97.2	98.0	98.4	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 500	93.7	97.3	98.3	98.7	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 400	93.7	97.3	98.3	98.7	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 300	93.8	97.4	98.4	98.8	98.8	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.5	99.5
≥ 200	94.1	97.7	98.7	99.1	99.1	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7
≥ 100	94.1	97.7	98.7	99.1	99.1	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0
≥ 0	94.1	97.7	98.7	99.1	99.1	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 014 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH
ALL — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	52.6	53.6	53.8	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2
≥ 20000	59.1	59.1	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9
≥ 18000	58.4	59.6	59.8	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3
≥ 16000	58.5	59.6	59.9	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4
≥ 14000	59.6	60.7	61.0	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5
≥ 12000	61.8	63.0	63.3	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8
≥ 10000	65.3	66.6	66.9	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.4
≥ 9000	66.6	67.9	68.2	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.8
≥ 8000	67.7	69.2	69.5	69.7	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.1
≥ 7000	70.3	71.8	72.1	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7
≥ 6000	71.9	73.5	73.9	74.1	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5
≥ 5000	74.2	75.9	76.2	76.6	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0
≥ 4500	75.3	77.0	77.3	77.7	77.8	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.2
≥ 4000	78.1	79.8	80.1	80.5	80.6	80.6	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.0
≥ 3500	79.7	80.8	81.2	81.5	81.6	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0
≥ 3000	81.1	83.1	83.5	83.8	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.4
≥ 2500	83.5	85.7	86.2	86.6	86.7	86.7	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.1
≥ 2000	86.2	88.7	89.2	89.6	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.2
≥ 1800	86.9	89.4	90.0	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0
≥ 1500	87.8	90.5	91.1	91.7	91.8	91.9	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.3
≥ 1200	88.7	91.7	92.5	93.1	93.2	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7
≥ 1000	89.5	92.7	93.4	94.1	94.4	94.5	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	95.0
≥ 900	89.9	93.2	94.0	94.8	95.0	95.2	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.7
≥ 800	90.2	93.6	94.4	95.2	95.4	95.5	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.2
≥ 700	90.5	94.1	94.9	95.8	96.1	96.2	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥ 600	90.7	94.7	95.6	96.6	96.9	97.1	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.9
≥ 500	90.8	94.8	95.8	97.0	97.3	97.5	98.0	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.5
≥ 400	90.8	94.9	96.0	97.2	97.6	97.9	98.4	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	99.0
≥ 300	90.8	95.0	96.1	97.4	97.8	98.1	98.7	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.4
≥ 200	90.9	95.1	96.2	97.6	97.9	98.3	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.7
≥ 100	90.9	95.1	96.2	97.6	97.9	98.3	98.9	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.8
≥ 0	90.9	95.1	96.2	97.6	97.9	98.3	98.9	99.2	99.2	99.4	99.4	99.5	99.5	99.6	99.7	100.

TOTAL NUMBER OF OBSERVATIONS 5951

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

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14	NOCTOR APT FARGO ND	73-80	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.7	47.1	47.5	47.5	47.9	47.9	48.1	48.3	48.3	48.3	48.3	48.3	48.5	48.5	48.5	48.6
≥ 20000	50.4	50.8	51.3	51.3	51.7	51.7	51.8	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.4
≥ 18000	50.6	51.0	51.4	51.4	51.8	51.8	51.9	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.4	52.5
≥ 16000	50.6	51.0	51.4	51.4	51.8	51.8	51.9	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.4	52.5
≥ 14000	51.3	51.7	52.1	52.1	52.5	52.5	52.6	52.9	52.9	52.9	52.9	52.9	53.1	53.1	53.1	53.2
≥ 12000	52.6	53.1	53.5	53.5	53.9	53.9	54.0	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.6
≥ 10000	57.1	57.5	57.9	57.9	58.5	58.5	58.6	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.2
≥ 9000	57.5	57.9	58.3	58.3	58.9	58.9	59.0	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.6
≥ 8000	58.3	58.8	59.2	59.2	59.7	59.7	59.9	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.3	60.4
≥ 7000	59.7	60.3	60.7	60.7	61.3	61.3	61.4	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.9
≥ 6000	61.4	61.9	62.4	62.4	62.9	62.9	63.1	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.5	63.6
≥ 5000	62.1	62.8	63.3	63.5	64.0	64.0	64.3	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.9
≥ 4500	62.6	63.3	63.9	64.0	64.6	64.6	64.9	65.1	65.1	65.1	65.1	65.1	65.3	65.3	65.3	65.4
≥ 4000	65.1	66.0	66.5	66.7	67.2	67.2	67.5	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	68.1
≥ 3500	65.6	66.4	66.9	67.1	67.6	67.6	67.9	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.5
≥ 3000	68.3	69.2	69.7	69.9	70.4	70.4	70.7	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.3
≥ 2500	72.4	73.3	73.9	74.2	75.3	75.4	75.7	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.3
≥ 2000	76.5	77.6	78.2	78.5	79.6	79.9	80.3	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.9
≥ 1800	77.8	79.2	79.7	80.3	81.5	81.8	82.2	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.8
≥ 1500	79.9	81.4	81.9	82.8	84.0	84.4	84.9	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.6
≥ 1200	81.9	83.6	84.2	85.3	86.7	87.1	87.6	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.3
≥ 1000	82.9	85.1	85.7	86.9	88.3	88.8	89.3	89.7	89.9	89.9	90.0	90.0	90.1	90.1	90.1	90.3
≥ 900	83.2	85.6	86.1	87.5	88.9	89.3	89.9	90.3	90.4	90.4	90.6	90.6	90.7	90.7	90.7	90.8
≥ 800	83.5	86.0	86.5	87.9	89.3	89.7	90.3	90.7	90.8	90.8	91.0	91.0	91.1	91.1	91.1	91.3
≥ 700	84.3	86.8	87.4	88.8	90.1	90.6	91.1	91.5	91.7	91.7	91.8	91.8	91.9	91.9	91.9	92.1
≥ 600	84.6	87.6	88.2	89.9	91.3	91.7	92.6	93.2	93.5	93.5	93.6	93.6	93.8	93.8	93.8	93.9
≥ 500	84.7	88.2	88.9	90.8	92.5	93.1	94.2	94.7	95.1	95.1	95.3	95.3	95.4	95.4	95.4	95.6
≥ 400	84.7	88.2	89.3	91.5	93.2	93.8	95.0	95.8	96.3	96.3	96.4	96.4	96.5	96.5	96.5	96.7
≥ 300	84.7	88.5	89.6	92.1	94.2	95.0	96.3	97.1	97.5	97.8	98.1	98.1	98.3	98.3	98.3	98.5
≥ 200	84.7	88.5	89.9	92.5	94.6	95.4	96.7	97.5	97.9	98.3	98.6	98.6	99.0	99.0	99.0	99.3
≥ 100	84.7	88.5	89.9	92.5	94.6	95.4	96.7	97.5	97.9	98.3	98.8	98.8	99.3	99.3	99.3	99.6
≥ 0	84.7	88.5	89.9	92.5	94.6	95.4	96.7	97.5	97.9	98.3	98.8	98.8	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-14 | HECTOR APT FARGO ND | 73-80 | NOV

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0600

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	46.4	47.2	47.5	47.6	48.1	48.1	48.1	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	49.2	50.0	50.3	50.4	50.8	50.8	50.8	50.8	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.7
≥ 18000	49.3	50.1	50.4	50.6	51.0	51.0	51.0	51.0	51.0	51.4	51.4	51.4	51.4	51.4	51.4	51.8
≥ 16000	49.3	50.1	50.4	50.6	51.0	51.0	51.0	51.0	51.0	51.4	51.4	51.4	51.4	51.4	51.4	51.8
≥ 14000	49.9	50.8	51.1	51.3	51.7	51.7	51.7	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.5
≥ 12000	51.5	52.5	52.8	53.1	53.5	53.5	53.5	53.5	53.5	53.9	53.9	53.9	53.9	53.9	53.9	54.3
≥ 10000	55.7	56.7	56.9	57.2	57.6	57.6	57.6	57.6	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.5
≥ 9000	56.5	57.5	57.8	58.1	58.5	58.5	58.5	58.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9	59.3
≥ 8000	57.2	58.2	58.5	58.8	59.2	59.2	59.2	59.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	60.0
≥ 7000	58.2	59.6	59.9	60.1	60.6	60.6	60.6	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.4
≥ 6000	59.6	61.3	61.4	61.7	62.1	62.1	62.1	62.1	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.9
≥ 5000	60.8	62.2	62.6	62.9	63.3	63.3	63.3	63.3	63.3	63.8	63.8	63.8	63.8	63.8	63.8	64.2
≥ 4500	61.4	62.9	63.5	63.9	64.3	64.3	64.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	65.1
≥ 4000	63.5	65.0	65.6	66.0	66.4	66.4	66.4	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	67.2
≥ 3500	64.6	66.3	66.8	67.4	67.8	67.8	67.8	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.6
≥ 3000	65.7	67.6	68.5	69.0	69.4	69.4	69.4	69.4	69.4	69.9	69.9	69.9	69.9	69.9	69.9	70.3
≥ 2500	69.4	71.7	72.9	73.8	74.4	74.4	74.6	74.6	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.4
≥ 2000	71.8	75.8	77.1	78.1	78.9	78.9	79.2	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	80.0
≥ 1800	73.9	77.9	79.3	80.3	81.5	81.5	81.8	81.8	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.6
≥ 1500	76.3	81.0	82.4	83.5	85.1	85.1	85.4	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.5
≥ 1200	77.5	82.6	84.2	85.4	87.4	87.4	87.6	88.1	88.1	88.8	88.8	88.8	88.8	88.8	88.8	89.2
≥ 1000	77.8	83.2	84.7	86.3	87.9	87.9	88.2	88.6	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.7
≥ 900	78.3	84.0	85.6	86.8	88.8	88.9	89.2	89.6	89.6	90.3	90.3	90.3	90.4	90.4	90.4	91.8
≥ 800	79.1	85.3	86.8	88.2	90.1	90.4	90.7	91.1	91.1	91.8	91.8	91.8	91.9	91.9	91.9	92.4
≥ 700	79.4	86.4	87.9	89.3	91.4	91.7	91.9	92.5	92.5	93.2	93.2	93.2	93.3	93.3	93.3	93.8
≥ 600	79.9	87.2	89.1	90.4	92.5	92.8	93.1	93.6	93.6	94.3	94.3	94.3	94.4	94.4	94.6	95.0
≥ 500	80.3	87.8	89.6	91.1	93.2	93.5	93.8	94.3	94.3	95.0	95.0	95.0	95.1	95.1	95.3	95.7
≥ 400	80.3	87.8	89.6	91.3	93.5	93.8	94.0	94.7	94.7	95.4	95.4	95.4	95.6	95.6	95.7	96.1
≥ 300	80.3	87.8	89.6	91.7	94.0	94.7	95.0	96.0	96.0	96.8	96.9	96.9	97.1	97.1	97.2	97.6
≥ 200	80.4	88.2	90.0	92.1	94.6	95.3	95.7	96.7	96.7	97.6	97.8	97.8	98.3	98.3	98.5	99.0
≥ 100	80.4	88.2	90.0	92.1	94.6	95.3	95.7	96.7	96.7	97.6	97.9	97.9	98.6	98.9	99.0	99.9
≥ 0	80.4	88.2	90.0	92.1	94.6	95.3	95.7	96.7	96.7	97.6	97.9	97.9	98.6	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
... 14	...ECTOR APT FARGO ND	73-80	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	43.3	44.7	44.9	45.0	45.3	45.6	45.7	45.7	45.7	45.8	45.8	45.8	46.1	46.1	46.3	46.4
≥ 20000	47.2	48.8	48.9	49.0	49.3	49.6	49.7	49.7	49.7	49.9	49.9	49.9	50.1	50.1	50.3	50.4
≥ 18000	48.1	49.6	49.7	49.9	50.1	50.4	50.6	50.6	50.6	50.7	50.7	50.7	51.0	51.0	51.1	51.3
≥ 16000	48.1	49.6	49.7	49.9	50.1	50.4	50.6	50.6	50.6	50.7	50.7	50.7	51.0	51.0	51.1	51.3
≥ 14000	48.9	50.4	50.6	50.7	51.0	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.8	51.8	51.9	52.1
≥ 12000	50.7	52.4	52.5	52.6	52.9	53.2	53.3	53.3	53.3	53.6	53.6	53.6	53.9	53.9	54.0	54.2
≥ 10000	54.4	56.1	56.4	56.5	56.9	57.4	57.5	57.5	57.5	57.8	57.8	57.8	58.1	58.1	58.2	58.3
≥ 9000	56.0	57.6	57.9	58.1	58.5	58.9	59.0	59.0	59.0	59.3	59.3	59.3	59.6	59.6	59.7	59.9
≥ 8000	56.9	58.9	59.0	59.2	59.6	60.0	60.1	60.1	60.1	60.4	60.4	60.4	60.7	60.7	60.8	61.0
≥ 7000	58.8	60.8	61.1	61.3	61.7	62.1	62.2	62.2	62.2	62.5	62.5	62.5	62.8	62.8	62.9	63.1
≥ 6000	59.3	61.4	61.7	61.8	62.2	62.6	62.8	62.8	62.8	63.1	63.1	63.1	63.3	63.3	63.5	63.6
≥ 5000	59.9	61.9	62.2	62.4	62.8	63.2	63.5	63.5	63.5	63.8	63.8	63.8	64.0	64.0	64.2	64.3
≥ 4500	60.7	62.8	63.1	63.2	63.6	64.0	64.3	64.3	64.3	64.6	64.6	64.6	64.9	64.9	65.0	65.1
≥ 4000	62.8	65.1	65.4	65.6	66.0	66.4	66.7	66.7	66.7	67.1	67.1	67.1	67.4	67.4	67.5	67.6
≥ 3500	63.9	66.4	66.7	66.8	67.2	67.6	67.9	67.9	67.9	68.3	68.3	68.3	68.6	68.6	68.8	68.9
≥ 3000	65.0	67.6	67.9	68.2	68.6	69.0	69.3	69.3	69.3	69.7	69.7	69.7	70.0	70.0	70.1	70.3
≥ 2500	68.2	71.5	71.9	72.2	72.6	73.1	73.5	73.5	73.5	73.9	73.9	73.9	74.2	74.2	74.3	74.4
≥ 2000	71.3	75.4	76.0	76.4	76.9	77.4	77.9	77.9	77.9	78.3	78.3	78.3	78.6	78.6	78.8	78.9
≥ 1800	72.4	76.5	77.1	77.5	78.1	78.5	79.0	79.0	79.0	79.4	79.4	79.4	79.7	79.7	79.9	80.0
≥ 1500	75.1	79.6	80.1	80.6	81.1	81.5	82.2	82.2	82.4	82.8	82.8	82.8	83.1	83.1	83.2	83.3
≥ 1200	76.7	81.7	82.2	82.8	83.5	83.9	84.7	84.9	85.0	85.4	85.4	85.4	85.7	85.7	85.8	86.0
≥ 1000	78.2	83.3	84.1	84.6	85.3	85.8	86.7	86.8	86.9	87.4	87.4	87.4	87.6	87.6	87.8	87.9
≥ 900	78.9	84.2	84.9	85.4	86.1	86.7	87.5	87.8	87.9	88.3	88.3	88.3	88.6	88.6	88.8	88.9
≥ 800	79.4	85.3	85.7	86.4	87.1	87.8	88.9	89.2	89.3	89.7	89.7	89.7	90.0	90.0	90.1	90.3
≥ 700	79.6	85.3	86.0	86.8	87.8	88.5	89.6	89.9	90.0	90.4	90.4	90.4	90.7	90.7	90.8	91.0
≥ 600	80.8	86.8	87.5	88.5	89.6	90.3	91.4	91.7	91.8	92.4	92.4	92.4	92.6	92.6	92.8	92.9
≥ 500	81.0	87.4	88.1	89.0	90.1	91.0	92.2	92.5	92.6	93.3	93.5	93.5	93.8	93.8	93.9	94.0
≥ 400	81.3	88.2	88.9	90.3	91.7	92.8	94.3	94.7	94.9	95.6	95.7	95.7	96.0	96.0	96.1	96.3
≥ 300	81.3	88.2	88.9	90.6	92.2	93.5	95.1	95.7	95.8	96.5	96.7	96.7	96.9	96.9	97.1	97.2
≥ 200	81.4	88.3	89.0	90.8	92.6	93.9	95.7	96.4	96.5	97.4	97.5	97.5	98.2	98.2	98.3	98.6
≥ 100	81.4	88.3	89.0	90.8	92.6	93.9	95.8	96.5	96.7	97.6	97.8	97.8	98.8	99.0	99.2	99.7
≥ 0	81.4	88.3	89.0	90.8	92.6	93.9	95.8	96.5	96.7	97.8	97.9	97.9	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 723

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

...AL CLIMATOLOGY BRANCH
...AFETAC
4... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
1...	HECTOR APT FARGO ND	73-80	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.): 1900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	42.4	43.6	43.9	44.9	44.0	44.2	44.3	44.3	44.3	44.4	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	48.3	49.7	50.0	50.0	50.1	50.3	50.6	50.6	50.6	50.7	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	49.1	50.4	50.7	50.7	50.8	51.0	51.3	51.3	51.3	51.4	51.7	51.7	51.7	51.7	51.7	51.7
≥ 17000	49.1	50.4	50.7	50.7	50.8	51.0	51.3	51.3	51.3	51.4	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	50.1	51.5	51.8	51.8	51.9	52.1	52.4	52.4	52.4	52.5	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	51.3	52.6	52.9	52.9	53.1	53.2	53.5	53.5	53.5	53.6	53.9	53.9	53.9	53.9	53.9	53.9
≥ 10000	54.0	55.4	55.8	56.0	56.1	56.3	56.5	56.5	56.5	56.7	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	54.7	56.1	56.5	56.7	56.8	56.9	57.2	57.2	57.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000	56.1	57.5	57.9	58.2	58.3	58.5	58.8	58.8	58.8	59.0	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000	56.3	58.5	58.9	59.2	59.3	59.4	59.7	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3
≥ 6000	57.2	58.8	59.2	59.4	59.6	59.7	60.0	60.0	60.0	60.3	60.6	60.6	60.6	60.6	60.6	60.6
≥ 5000	58.3	59.9	60.3	60.6	60.7	60.8	61.1	61.1	61.1	61.4	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4500	59.4	61.3	61.7	61.9	62.1	62.2	62.5	62.5	62.5	62.8	63.1	63.1	63.1	63.1	63.1	63.1
≥ 4000	61.8	63.9	64.3	64.6	64.7	64.9	65.1	65.1	65.1	65.4	65.7	65.7	65.7	65.7	65.7	65.7
≥ 3500	62.2	64.3	64.7	65.0	65.1	65.3	65.6	65.6	65.6	65.8	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3000	64.2	66.3	66.7	67.1	67.2	67.4	67.6	67.6	67.6	67.9	68.2	68.2	68.2	68.2	68.2	68.2
≥ 2500	66.4	68.6	69.0	69.4	69.6	69.9	70.1	70.3	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	70.7	73.2	73.9	74.6	74.9	75.3	75.6	75.8	75.8	76.3	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1800	72.4	74.9	75.7	76.4	76.7	77.1	77.4	77.6	77.6	78.1	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1500	74.4	77.1	77.9	78.8	79.2	79.7	80.0	80.4	80.4	80.8	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1200	78.1	81.9	82.9	83.8	84.2	85.0	85.3	85.8	85.8	86.3	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	79.3	83.8	85.0	86.1	86.7	87.5	87.9	88.5	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2
≥ 900	79.7	84.3	85.6	86.7	87.4	88.2	88.8	89.3	89.3	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	79.9	84.6	85.8	87.1	87.8	88.6	89.2	89.7	89.7	90.4	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	80.1	85.3	86.8	88.3	89.0	89.9	90.6	91.1	91.3	92.1	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	80.6	86.4	88.1	89.9	90.6	91.5	92.2	92.8	93.1	93.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	80.8	86.8	88.5	90.3	91.0	92.5	93.5	94.0	94.3	95.1	95.6	95.6	95.6	95.6	95.6	95.6
≥ 400	80.8	87.2	88.9	90.8	91.5	93.3	94.7	95.7	96.0	96.9	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	81.0	87.4	89.0	91.0	91.8	93.8	95.4	96.5	96.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	81.1	87.4	89.0	91.0	91.8	93.8	95.4	96.8	97.1	98.3	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	81.1	87.4	89.0	91.0	91.8	93.8	95.4	96.9	97.2	98.5	99.2	99.2	99.2	99.3	99.4	99.9
≥ 0	81.1	87.4	89.0	91.0	91.8	93.8	95.4	96.9	97.2	98.5	99.2	99.2	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | HECTOR APT FARGO ND | 73-80 | NOV
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	43.3	44.7	44.7	44.7	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	46.3	50.1	50.1	50.1	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 18000	48.5	50.3	50.3	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	48.8	50.6	50.6	50.6	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	50.3	52.1	52.1	52.1	52.5	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	52.6	54.4	54.4	54.4	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	55.7	57.5	57.5	57.5	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	56.4	58.2	58.2	58.2	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 8000	56.9	58.9	58.9	58.9	59.3	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	57.4	59.4	59.4	59.4	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000	57.6	59.7	59.9	59.9	60.3	60.3	60.6	60.6	60.8	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 5000	58.2	60.4	60.6	60.6	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4500	59.2	61.4	61.5	61.5	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4000	60.3	62.6	62.8	62.8	63.2	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 3500	61.3	63.3	63.5	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3000	63.6	66.4	66.7	66.7	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2500	68.2	71.3	71.5	71.7	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2000	73.8	76.9	77.2	77.4	77.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1800	74.6	77.8	78.1	78.2	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1500	76.1	81.8	82.1	82.2	82.9	83.1	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	81.3	85.3	85.6	85.7	86.7	86.8	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1000	83.1	87.8	88.5	88.6	89.7	90.0	90.6	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	83.9	88.9	89.7	90.0	91.3	91.5	92.1	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	84.1	89.2	90.0	90.3	91.7	91.9	92.8	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700	84.6	90.4	91.3	91.8	93.2	93.5	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	84.7	90.6	91.5	92.1	93.5	94.2	95.1	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	84.7	90.6	91.7	92.4	93.8	94.9	96.0	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	84.9	90.7	91.8	92.5	93.9	95.1	96.5	97.1	97.1	97.4	97.6	97.6	97.6	97.8	97.9	97.9
≥ 300	84.9	90.8	92.1	92.9	94.3	95.7	97.1	97.6	97.6	97.9	98.2	98.2	98.2	98.3	98.5	98.5
≥ 200	84.9	90.8	92.1	92.9	94.3	95.7	97.1	97.8	97.8	98.2	98.5	98.5	98.5	98.6	98.9	98.9
≥ 100	84.9	90.8	92.1	92.9	94.3	95.7	97.1	97.9	97.9	98.3	98.6	98.6	98.9	99.2	99.4	99.9
≥ 0	84.9	90.8	92.1	92.9	94.3	95.7	97.1	97.9	97.9	98.3	98.6	98.6	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | HECTOR APT FARGO ND | 73-80 | NOV
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	42.3	43.3	43.6	43.8	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	50.3	51.4	51.7	51.8	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000	50.6	51.7	51.9	52.1	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000	50.6	51.7	51.9	52.1	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	51.9	53.1	53.3	53.5	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	54.3	55.4	55.7	55.8	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 10000	56.3	57.9	58.2	58.3	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 9000	57.2	58.3	58.6	58.8	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	57.9	59.0	59.3	59.4	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	58.9	60.0	60.3	60.4	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	59.7	61.0	61.3	61.4	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 5000	60.1	61.7	61.9	62.2	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	61.4	62.9	63.2	63.5	63.9	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4000	62.9	64.6	64.9	65.3	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3500	64.6	66.4	66.7	67.1	67.6	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3000	67.6	69.4	69.7	70.1	70.8	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	71.1	73.2	73.5	74.2	74.9	75.0	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2000	75.3	77.9	78.2	79.2	79.9	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6
≥ 1800	76.3	79.2	79.4	80.4	81.1	81.3	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9
≥ 1500	78.6	81.5	82.8	83.9	84.9	85.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
≥ 1200	81.1	86.3	86.7	87.8	88.8	89.0	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1
≥ 1000	82.1	87.8	88.2	89.4	90.6	90.8	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.1
≥ 900	82.8	89.3	89.7	91.0	92.1	92.4	92.8	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.8	93.8
≥ 800	83.1	89.6	90.0	91.4	92.5	92.8	93.2	93.9	93.9	94.0	94.0	94.0	94.2	94.2	94.3	94.3
≥ 700	83.9	90.1	90.6	91.9	93.1	93.5	93.9	94.6	94.6	94.7	94.9	94.9	95.0	95.0	95.1	95.1
≥ 600	84.7	90.8	91.3	92.9	94.0	94.4	94.9	95.6	95.6	95.7	95.8	95.8	96.0	96.0	96.1	96.1
≥ 500	84.0	91.1	91.8	93.6	94.7	95.1	95.6	96.3	96.3	96.4	96.7	96.7	96.8	96.8	96.9	96.9
≥ 400	84.0	91.4	92.2	94.2	95.3	95.7	96.1	96.8	96.8	96.9	97.4	97.4	97.6	97.6	97.8	97.8
≥ 300	84.0	91.4	92.2	94.2	95.3	95.7	96.1	96.8	96.8	97.1	97.5	97.5	98.1	98.1	98.2	98.2
≥ 200	84.0	91.4	92.2	94.2	95.3	95.7	96.1	96.8	96.8	97.4	97.8	97.8	98.5	98.5	98.6	98.6
≥ 100	84.0	91.4	92.2	94.2	95.3	95.7	96.1	96.8	96.8	97.4	97.8	97.8	98.5	98.5	99.0	99.2
≥ 0	84.1	91.4	92.2	94.2	95.3	95.7	96.1	96.8	96.8	97.4	97.8	97.8	98.5	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 72

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 ...14 | HECTOR APT FARGO ND | 73-80 (YEARS) | NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.2	48.5	48.5	48.5	48.6	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	51.7	52.5	52.5	52.5	52.6	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	51.9	52.5	52.5	52.5	52.6	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	51.9	52.5	52.5	52.5	52.6	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	52.9	53.5	53.5	53.5	53.6	53.6	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 12000	55.1	55.7	55.7	55.7	55.8	55.8	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	59.9	60.4	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000	60.8	61.4	61.4	61.4	61.5	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 8000	61.7	62.4	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 7000	62.8	63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	63.6	64.9	64.9	64.9	65.0	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	65.1	66.3	66.3	66.3	66.4	66.4	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	67.1	68.3	68.3	68.3	68.5	68.5	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	69.4	70.7	70.8	70.8	71.0	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3500	70.8	72.1	72.4	72.4	72.6	72.8	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	73.8	75.0	75.3	75.3	75.7	75.8	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	76.4	77.9	78.2	78.2	78.6	78.8	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 2000	78.8	80.6	80.8	80.8	81.5	81.8	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	79.4	81.4	81.7	81.7	82.4	82.6	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1500	81.8	84.2	84.4	84.4	85.1	85.4	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	83.5	86.9	87.6	87.8	88.6	88.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	84.9	88.5	89.2	89.4	90.4	9 .7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 900	85.6	89.3	90.0	90.3	91.3	91.5	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	85.8	89.9	90.6	90.8	91.8	92.1	93.2	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700	86.0	90.3	91.0	91.3	92.2	92.5	93.6	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	86.1	91.1	92.2	92.5	93.5	93.8	94.9	95.0	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500	86.3	91.4	92.6	93.1	94.0	94.3	95.4	95.6	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	86.3	91.7	93.1	93.5	94.4	94.7	96.0	96.1	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	86.3	91.7	93.1	93.5	94.6	95.1	96.4	96.5	96.5	97.1	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	86.3	91.7	93.1	93.5	94.6	95.1	96.4	96.5	96.7	97.4	97.9	97.9	98.2	98.2	98.2	98.2
≥ 100	86.3	91.7	93.1	93.5	94.6	95.1	96.5	96.7	96.8	97.5	98.1	98.1	98.8	98.9	98.9	99.3
≥ 0	86.3	91.7	93.1	93.5	94.6	95.1	96.5	96.7	96.8	97.5	98.1	98.1	98.8	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 722

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 914 | HECTOR APT FARGO ND | 73-80 | NOV

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	47.4	47.8	47.8	48.0	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.8
≥ 20000	50.8	51.2	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	52.3
≥ 18000	50.8	51.2	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	52.3
≥ 16000	50.8	51.2	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	52.3
≥ 14000	52.7	53.1	53.1	53.4	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.6	53.8	54.2
≥ 12000	55.4	55.8	55.8	56.1	56.3	56.3	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.9
≥ 10000	59.0	59.4	59.4	59.7	59.9	59.9	59.9	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.5
≥ 9000	59.8	60.2	60.2	60.5	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	61.3
≥ 8000	60.6	61.1	61.1	61.3	61.6	61.6	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	62.2
≥ 7000	62.4	62.9	62.9	63.1	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	64.0
≥ 6000	63.8	64.4	64.4	64.7	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.5
≥ 5000	64.5	65.2	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.3
≥ 4500	64.9	65.5	65.6	66.1	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.9
≥ 4000	67.2	68.0	68.2	68.8	69.1	69.1	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.7
≥ 3500	68.2	69.0	69.1	69.8	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.7
≥ 3000	71.6	72.6	72.7	73.4	73.7	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	74.3
≥ 2500	75.4	76.5	76.6	77.5	77.7	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	78.3
≥ 2000	78.6	80.0	80.3	81.2	81.5	81.5	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	82.2
≥ 1800	79.4	80.9	81.2	82.2	82.5	82.6	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.6
≥ 1500	81.5	83.3	83.6	84.6	84.8	85.0	85.4	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	86.1
≥ 1200	83.0	85.0	85.3	86.6	87.1	87.2	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	88.3
≥ 1000	84.7	87.2	87.5	88.9	89.3	89.4	89.8	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.5
≥ 900	85.3	87.6	87.9	89.6	90.0	90.4	91.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.8
≥ 800	85.4	88.3	88.6	90.3	90.7	91.1	91.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.6
≥ 700	85.8	89.0	89.3	91.0	91.4	91.8	92.8	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.6
≥ 600	86.0	89.6	89.8	91.8	92.2	92.6	93.7	93.9	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.7
≥ 500	86.0	90.3	90.7	92.6	93.2	93.6	95.0	95.1	95.1	95.4	95.5	95.5	95.5	95.5	95.5	96.0
≥ 400	86.0	90.3	91.0	93.2	93.7	94.2	95.8	96.0	96.0	96.5	96.9	96.9	96.9	96.9	96.9	97.4
≥ 300	86.0	90.5	91.4	93.6	94.3	94.9	96.5	97.1	97.1	98.1	98.5	98.5	98.5	98.5	98.5	98.9
≥ 200	86.3	90.5	91.4	93.7	94.7	95.3	96.9	97.5	97.5	98.6	99.0	99.0	99.0	99.0	99.0	99.4
≥ 100	86.3	90.5	91.4	93.7	94.7	95.3	96.9	97.5	97.5	98.6	99.0	99.0	99.2	99.2	99.2	99.6
≥ 0	86.3	90.5	91.4	93.7	94.7	95.3	96.9	97.5	97.5	98.6	99.0	99.0	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 719

USAF ETAC FORM JUL 80 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | HECTOR APT FARGO ND | 73-80 | NOV
STATION | STATION NAME | YEARS | MONTH

ALL
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	45.1	45.9	46.0	46.1	46.4	46.5	46.6	46.6	46.6	46.7	46.8	46.8	46.8	46.8	46.8	47.0
≥ 20000	49.6	50.6	50.7	50.8	51.1	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.7
≥ 18000	49.8	50.8	51.0	51.1	51.4	51.5	51.6	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.9	52.0
≥ 16000	49.9	50.9	51.1	51.1	51.4	51.5	51.6	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	52.0
≥ 14000	51.3	52.0	52.2	52.3	52.6	52.6	52.8	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.2
≥ 12000	52.9	54.0	54.2	54.3	54.6	54.6	54.8	54.8	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.2
≥ 10000	56.6	57.6	57.8	57.9	58.3	58.4	58.5	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.9
≥ 9000	57.4	58.4	58.6	58.7	59.1	59.2	59.3	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.7
≥ 8000	58.2	59.3	59.5	59.7	60.0	60.1	60.2	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.7
≥ 7000	59.4	60.6	60.8	61.0	61.3	61.4	61.5	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	62.0
≥ 6000	60.3	61.6	61.9	62.0	62.4	62.4	62.6	62.6	62.6	62.8	62.8	62.8	62.9	62.9	62.9	63.0
≥ 5000	61.1	62.5	62.8	63.0	63.3	63.4	63.6	63.6	63.6	63.8	63.8	63.8	63.9	63.9	63.9	64.0
≥ 4500	62.1	63.6	63.8	64.1	64.4	64.5	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	65.0	65.1
≥ 4000	64.1	65.7	66.1	66.3	66.7	66.8	67.0	67.0	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.4
≥ 3500	65.1	66.8	67.1	67.4	67.8	67.9	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.4	68.5
≥ 3000	67.5	69.3	69.6	70.0	70.4	70.5	70.7	70.7	70.7	70.9	70.9	70.9	71.0	71.0	71.0	71.1
≥ 2500	70.9	73.0	73.5	73.9	74.4	74.5	74.8	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.2	75.3
≥ 2000	74.6	77.2	77.7	78.3	78.9	79.1	79.4	79.5	79.5	79.7	79.8	79.8	79.8	79.8	79.8	80.0
≥ 1800	75.8	78.5	79.0	79.6	80.3	80.5	80.9	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.5
≥ 1500	78.2	81.4	81.9	82.6	83.4	83.7	84.1	84.3	84.3	84.6	84.6	84.6	84.7	84.7	84.7	84.8
≥ 1200	80.3	84.2	84.8	85.6	86.6	86.9	87.4	87.7	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.3
≥ 1000	81.6	85.8	86.6	87.5	88.5	88.9	89.4	89.8	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.3
≥ 900	82.2	86.6	87.4	88.4	89.5	89.9	90.5	90.8	90.9	91.2	91.2	91.2	91.3	91.3	91.3	91.5
≥ 800	82.5	87.2	88.0	89.0	90.1	90.6	91.3	91.6	91.7	92.0	92.0	92.0	92.1	92.1	92.2	92.3
≥ 700	82.9	87.9	88.8	89.9	91.0	91.5	92.2	92.6	92.7	93.0	93.1	93.1	93.2	93.2	93.2	93.3
≥ 600	83.3	88.8	89.7	91.0	92.1	92.7	93.5	93.9	94.0	94.4	94.5	94.5	94.6	94.6	94.6	94.8
≥ 500	83.5	89.2	90.2	91.6	92.8	93.5	94.4	94.9	95.0	95.4	95.5	95.5	95.6	95.6	95.7	95.8
≥ 400	83.5	89.4	90.6	92.2	93.4	94.2	95.3	95.9	96.0	96.4	96.7	96.7	96.8	96.8	96.9	97.0
≥ 300	83.5	89.5	90.7	92.4	93.8	94.8	96.0	96.7	96.8	97.4	97.7	97.7	97.9	97.9	98.0	98.1
≥ 200	83.6	89.6	90.8	92.6	94.1	95.0	96.2	97.0	97.1	97.9	98.2	98.2	98.6	98.6	98.7	98.9
≥ 100	83.6	89.6	90.8	92.6	94.1	95.0	96.3	97.1	97.2	98.0	98.4	98.4	98.9	99.0	99.2	99.6
≥ 0	83.6	89.6	90.8	92.6	94.1	95.0	96.3	97.1	97.2	98.0	98.4	98.4	98.9	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 5759

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914 | HECTOR APT FARGO ND | 73-80 | DEC
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.7	39.9	40.3	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.1	41.1	41.4	41.9
≥ 20000	40.3	42.2	42.6	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.4	43.4	43.7	44.2
≥ 18000	40.6	42.5	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.7	43.7	44.0	44.5
≥ 16000	40.6	42.5	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.7	43.7	44.0	44.5
≥ 14000	41.1	43.0	43.4	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.2	44.2	44.5	45.0
≥ 12000	42.7	44.9	45.3	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	46.1	46.1	46.4	46.9
≥ 10000	47.0	49.6	50.1	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.9	50.9	51.2	51.7
≥ 9000	49.1	51.6	52.4	52.7	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.5	53.5	53.8	54.3
≥ 8000	50.5	53.1	53.9	54.2	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	55.0	55.0	55.2	55.8
≥ 7000	53.0	55.5	56.3	56.6	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.4	57.4	57.7	58.2
≥ 6000	55.5	58.2	59.3	59.5	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.3	60.3	60.6	61.2
≥ 5000	57.5	60.5	61.6	62.0	62.4	62.5	62.6	62.8	62.8	62.8	62.8	62.8	63.2	63.2	63.4	64.0
≥ 4500	59.1	62.1	63.2	63.6	64.0	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.8	64.8	65.1	65.6
≥ 4000	61.4	64.7	65.7	66.3	66.7	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.5	67.5	67.7	68.3
≥ 3500	62.5	66.0	67.1	67.6	68.0	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.8	68.8	69.1	69.6
≥ 3000	64.0	68.0	69.1	69.9	70.4	70.6	70.7	71.0	71.0	71.0	71.0	71.0	71.4	71.4	71.6	72.2
≥ 2500	65.6	70.0	71.2	72.6	73.1	73.3	73.5	73.8	73.8	73.8	73.8	73.8	74.2	74.2	74.5	75.0
≥ 2000	66.8	72.3	73.7	75.3	76.1	76.2	76.5	76.7	76.7	76.7	76.7	76.7	77.2	77.2	77.4	78.0
≥ 1800	67.7	73.8	75.3	76.9	77.7	77.8	78.1	78.4	78.4	78.4	78.4	78.4	78.8	78.8	79.0	79.6
≥ 1500	70.6	76.9	78.4	80.2	81.0	81.2	81.5	81.7	81.7	81.7	81.7	81.7	82.1	82.1	82.4	82.9
≥ 1200	71.9	78.6	80.2	82.1	82.9	83.2	83.5	83.7	83.7	83.7	83.7	83.7	84.1	84.1	84.4	84.9
≥ 1000	72.7	80.0	82.1	84.4	85.	85.5	86.0	86.3	86.3	86.3	86.3	86.3	86.7	86.7	87.0	87.5
≥ 900	73.3	80.8	82.9	85.3	86.2	86.4	87.0	87.2	87.2	87.2	87.4	87.4	87.8	87.8	88.0	88.6
≥ 800	73.9	81.5	83.6	86.2	87.0	87.2	87.8	88.0	88.0	88.0	88.2	88.2	88.6	88.6	88.8	89.4
≥ 700	74.6	82.5	84.8	87.5	88.4	88.7	89.4	89.7	89.7	89.7	89.8	89.8	90.2	90.2	90.5	91.0
≥ 600	75.0	83.3	86.0	88.7	89.7	89.9	90.6	90.9	90.9	90.9	91.0	91.0	91.4	91.4	92.1	92.6
≥ 500	75.5	84.0	87.2	90.3	91.3	91.8	92.6	92.9	92.9	92.9	93.0	93.0	93.4	93.4	94.1	94.6
≥ 400	75.5	84.3	87.5	90.7	92.2	93.0	93.8	94.1	94.1	94.1	94.4	94.4	95.0	95.0	95.7	96.2
≥ 300	75.5	84.4	87.8	91.3	93.0	94.1	94.9	95.3	95.3	95.3	95.6	95.6	96.4	96.5	97.2	97.7
≥ 200	75.5	84.4	87.8	91.3	93.0	94.1	95.0	95.4	95.4	95.8	96.4	96.4	97.3	97.6	98.3	98.8
≥ 100	75.5	84.4	87.8	91.3	93.0	94.1	95.0	95.4	95.6	96.0	96.6	96.9	98.0	98.3	99.3	99.9
≥ 0	75.5	84.4	87.8	91.3	93.0	94.1	95.0	95.4	95.6	96.1	96.8	97.0	98.1	98.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-214	HECTOR APT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.1	40.3	40.9	41.1	41.5	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.8	41.8	42.2	42.7
≥ 20000	41.0	42.5	43.0	43.3	43.7	43.7	43.8	44.0	44.0	44.0	44.0	44.0	44.1	44.1	44.5	45.0
≥ 18000	42.1	43.5	44.1	44.4	44.8	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.2	45.2	45.6	46.1
≥ 16000	42.1	43.5	44.1	44.4	44.8	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.2	45.2	45.6	46.1
≥ 14000	42.9	44.4	44.9	45.2	45.6	45.6	45.7	45.8	45.8	45.8	45.8	45.8	46.0	46.0	46.4	46.9
≥ 12000	44.2	45.7	46.2	46.5	46.9	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.7	48.3
≥ 10000	46.9	49.1	49.6	50.0	50.4	50.4	50.5	50.7	50.7	50.7	50.7	50.7	50.8	50.8	51.2	51.7
≥ 9000	49.1	51.3	51.9	52.3	52.7	52.7	52.8	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.5	54.0
≥ 8000	49.9	52.3	53.0	53.5	53.9	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.7	55.2
≥ 7000	51.6	54.0	55.0	55.9	56.3	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	57.1	57.7
≥ 6000	53.4	55.9	56.9	57.9	58.3	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.9	56.9	59.3	59.8
≥ 5000	55.0	57.8	58.7	59.8	60.2	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.8	60.8	61.2	61.7
≥ 4500	55.6	58.5	59.5	60.6	61.2	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.7	61.7	62.1	62.6
≥ 4000	59.1	62.6	63.7	65.2	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.7	67.2
≥ 3500	60.2	63.7	64.8	66.4	66.9	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.9	68.4
≥ 3000	61.7	65.5	66.7	68.3	69.0	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.9	70.4
≥ 2500	63.6	67.6	69.1	71.0	71.8	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.8	73.4
≥ 2000	64.9	69.1	71.0	73.1	74.5	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.7	76.2
≥ 1800	66.4	71.2	73.3	75.5	76.9	77.0	77.4	77.6	77.6	77.6	77.6	77.6	77.7	77.7	78.1	78.6
≥ 1500	67.9	72.8	74.9	77.3	78.6	78.8	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.8	80.4
≥ 1200	69.6	75.3	77.6	80.1	81.6	82.0	82.7	82.8	82.8	82.8	82.8	82.8	82.9	82.9	83.3	83.9
≥ 1000	71.1	76.9	79.2	81.9	83.5	83.9	84.5	84.7	84.7	84.7	84.7	84.7	84.8	84.8	85.2	85.8
≥ 900	71.8	77.8	80.1	82.8	84.4	84.8	85.6	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.4	87.0
≥ 800	71.9	78.2	80.5	83.3	84.9	85.5	86.3	86.6	86.6	86.7	86.7	86.7	86.8	86.8	87.2	87.8
≥ 700	72.4	79.3	81.6	84.4	86.2	86.7	87.5	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.4	89.0
≥ 600	72.7	80.1	83.3	86.4	88.2	88.8	89.7	89.9	89.9	90.1	90.2	90.2	90.3	90.3	91.1	91.7
≥ 500	73.4	81.2	84.4	87.9	89.8	90.7	91.5	91.8	91.8	92.1	92.2	92.2	92.3	92.3	93.1	93.7
≥ 400	73.4	81.2	84.4	87.9	90.5	91.5	92.5	92.9	92.9	93.1	93.3	93.3	93.5	93.5	94.4	94.9
≥ 300	73.5	81.3	84.7	88.4	91.5	92.9	93.8	94.4	94.4	94.6	95.2	95.2	95.7	95.7	96.5	97.0
≥ 200	73.5	81.3	84.7	88.4	91.5	92.9	94.0	94.6	94.6	95.2	95.7	95.7	96.4	96.4	97.4	98.0
≥ 100	73.5	81.3	84.7	88.4	91.5	92.9	94.0	94.6	94.6	95.2	95.7	96.0	96.6	96.6	99.1	99.6
≥ 0	73.5	81.3	84.7	88.4	91.5	92.9	94.0	94.6	94.6	95.2	95.7	96.0	96.8	96.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14 | HECTOR APT FARGO ND | 73-80 | DEC
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.9	37.4	37.6	37.9	38.3	38.4	38.4	38.4	38.4	38.6	38.7	38.7	38.8	39.0	39.2	39.2
≥ 20000	38.7	40.9	41.1	41.8	42.2	42.3	42.3	42.3	42.3	42.5	42.6	42.6	42.7	42.9	43.1	43.1
≥ 18000	39.4	41.5	41.8	42.5	42.9	43.0	43.0	43.0	43.0	43.1	43.3	43.3	43.4	43.5	43.8	43.8
≥ 16000	39.4	41.5	41.8	42.5	42.9	43.0	43.0	43.0	43.0	43.1	43.3	43.3	43.4	43.5	43.8	43.8
≥ 14000	40.5	42.6	42.9	43.5	44.0	44.1	44.1	44.1	44.1	44.2	44.4	44.4	44.5	44.6	44.9	44.9
≥ 12000	42.1	44.4	44.6	45.3	45.7	45.8	45.8	45.8	45.8	46.0	46.1	4 .1	46.2	46.4	46.6	46.6
≥ 10000	45.0	48.0	48.5	49.2	49.6	49.7	49.7	49.7	49.7	49.9	50.0	50.0	50.1	50.3	50.5	50.5
≥ 9000	47.3	50.4	50.9	51.6	52.0	52.2	52.2	52.2	52.2	52.3	52.4	52.4	52.6	52.7	53.0	53.0
≥ 8000	47.8	50.9	51.5	52.3	52.7	52.8	52.8	52.8	52.8	53.0	53.1	53.1	53.2	53.4	53.6	53.6
≥ 7000	49.7	52.8	53.4	54.2	54.7	54.8	54.8	54.8	54.8	55.0	55.1	55.1	55.2	55.4	55.6	55.6
≥ 6000	51.7	54.8	55.4	56.2	56.7	56.9	56.9	56.9	56.9	57.0	57.1	57.1	57.3	57.4	57.7	57.7
≥ 5000	53.4	56.6	57.1	57.9	58.5	58.6	58.6	58.6	58.6	58.7	58.9	58.9	59.0	59.1	59.4	59.4
≥ 4500	54.2	57.8	58.3	59.3	59.8	59.9	59.9	60.1	60.1	60.2	60.3	60.3	60.5	60.6	60.9	60.9
≥ 4000	56.3	60.8	61.4	62.8	63.4	63.7	63.8	64.0	64.0	64.1	64.2	64.2	64.4	64.5	64.8	64.8
≥ 3500	57.7	62.4	63.2	64.5	65.2	65.5	65.6	65.7	65.7	65.9	66.0	66.0	66.1	66.3	66.5	66.5
≥ 3000	59.8	64.8	65.7	67.2	68.0	68.3	68.4	68.5	68.5	68.7	68.8	68.8	69.0	69.1	69.4	69.4
≥ 2500	62.6	67.7	68.7	70.3	71.4	71.6	71.8	71.9	71.9	72.2	72.3	72.3	72.4	72.6	72.9	72.9
≥ 2000	64.7	69.9	71.0	72.7	73.9	74.2	74.5	74.7	74.7	75.0	75.1	75.1	75.3	75.4	75.7	75.7
≥ 1800	65.6	71.1	72.6	74.5	75.7	76.1	76.3	76.6	76.6	76.9	77.0	77.0	77.2	77.3	77.6	77.6
≥ 1500	66.4	72.6	74.5	76.6	78.0	78.4	78.8	79.2	79.2	79.6	79.7	79.7	79.8	80.0	80.2	80.2
≥ 1200	67.6	74.3	76.6	78.9	80.4	80.9	81.5	82.0	82.0	82.4	82.5	82.5	82.7	82.8	83.1	83.1
≥ 1000	68.0	74.9	77.6	80.1	81.9	82.4	82.9	83.6	83.6	84.1	84.3	84.3	84.4	84.5	84.8	84.8
≥ 900	69.2	76.3	79.0	81.9	83.6	84.1	84.8	85.5	85.5	86.2	86.3	86.3	86.6	86.7	87.0	87.0
≥ 800	70.0	77.6	80.5	83.5	85.5	86.2	86.8	87.5	87.5	88.4	88.6	88.6	89.0	89.1	89.4	89.4
≥ 700	70.2	77.7	80.8	83.7	85.8	86.4	87.1	87.8	87.8	88.8	89.0	89.0	89.4	89.5	89.8	89.8
≥ 600	70.7	78.8	82.0	84.9	87.2	88.0	88.8	89.7	89.7	91.0	91.1	91.1	91.5	91.7	91.9	91.9
≥ 500	70.7	78.9	82.1	85.3	88.0	89.0	89.8	90.6	90.6	91.9	92.1	92.1	92.5	92.6	92.9	92.9
≥ 400	71.0	79.4	82.7	86.0	89.0	89.9	90.7	91.5	91.5	92.9	93.0	93.0	93.4	93.5	93.8	94.0
≥ 300	71.1	79.6	83.1	86.6	90.1	91.0	92.1	93.0	93.1	94.8	95.0	95.0	95.6	95.7	96.0	96.1
≥ 200	71.1	79.6	83.1	86.7	90.9	91.8	92.9	94.0	94.2	96.0	96.4	96.4	97.2	97.4	98.0	98.1
≥ 100	71.1	79.6	83.2	86.8	91.0	91.9	93.0	94.1	94.4	96.1	96.5	96.6	97.6	98.0	99.2	99.3
≥ 0	71.1	79.6	83.2	86.8	91.0	91.9	93.0	94.1	94.4	96.1	96.6	96.8	97.7	98.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 64 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | HECTOR APT FARGO ND | 73-80 | DEC
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.1	37.5	38.3	38.6	39.1	39.2	39.7	39.7	39.7	39.7	39.7	39.7	39.9	40.1	40.1	40.1
≥ 20000	39.8	44.6	45.4	46.1	46.8	47.0	47.7	48.0	48.1	48.1	48.1	48.1	48.4	48.5	48.5	48.5
≥ 18000	39.8	44.6	45.4	46.1	46.8	47.0	47.7	48.0	48.1	48.1	48.1	48.1	48.4	48.5	48.5	48.5
≥ 16000	39.8	44.6	45.4	46.1	46.8	47.0	47.7	48.0	48.1	48.1	48.1	48.1	48.4	48.5	48.5	48.5
≥ 14000	41.0	46.0	46.8	47.4	48.1	48.4	49.1	49.3	49.5	49.5	49.5	49.5	49.7	49.9	49.9	49.9
≥ 12000	43.3	48.3	49.1	49.9	50.5	50.8	51.5	51.7	51.9	51.9	51.9	51.9	52.2	52.3	52.3	52.3
≥ 10000	45.4	50.8	51.7	52.7	53.5	53.8	54.4	54.7	54.8	54.8	54.8	54.8	55.1	55.2	55.2	55.2
≥ 9000	46.8	52.4	53.4	54.4	55.2	55.5	56.2	56.5	56.6	56.6	56.6	56.6	56.9	57.0	57.0	57.0
≥ 8000	47.8	53.5	54.4	55.5	56.5	56.7	57.4	57.7	57.8	57.8	57.8	57.8	58.1	58.2	58.2	58.2
≥ 7000	48.7	55.4	56.3	57.5	58.6	58.9	59.5	59.8	59.9	59.9	59.9	59.9	60.2	60.3	60.3	60.3
≥ 6000	50.7	56.6	57.5	58.7	59.8	60.1	61.0	61.3	61.4	61.4	61.4	61.4	61.7	61.8	61.8	61.8
≥ 5000	51.6	58.1	59.0	60.2	61.6	61.8	63.0	63.3	63.4	63.4	63.4	63.4	63.7	63.8	63.8	63.8
≥ 4500	52.0	58.9	59.8	61.0	62.4	62.6	63.8	64.2	64.4	64.5	64.5	64.5	64.8	64.9	64.9	64.9
≥ 4000	54.0	61.2	62.2	63.4	64.9	65.2	66.5	66.9	67.1	67.3	67.3	67.3	67.6	67.7	67.7	67.7
≥ 3500	54.4	61.8	62.9	64.1	65.7	66.0	67.3	67.7	67.9	68.1	68.1	68.1	68.4	68.5	68.5	68.5
≥ 3000	55.8	63.7	64.8	66.1	67.9	68.1	69.6	70.0	70.2	70.4	70.4	70.4	70.7	70.6	70.8	70.8
≥ 2500	58.2	66.8	68.0	69.6	72.0	72.3	74.1	74.5	74.6	74.9	74.9	74.9	75.1	75.3	75.3	75.3
≥ 2000	59.1	68.3	69.6	71.4	73.9	74.2	75.9	76.3	76.5	76.9	76.9	77.0	77.3	77.4	77.4	77.4
≥ 1800	59.7	68.8	70.3	72.3	74.9	75.1	76.9	77.3	77.4	77.8	77.8	78.0	78.2	78.4	78.4	78.4
≥ 1500	61.4	70.8	72.3	74.3	76.9	77.6	79.8	80.4	80.5	81.3	81.3	81.6	81.9	82.0	82.1	82.1
≥ 1200	62.1	71.6	73.4	75.4	78.1	79.0	81.3	82.0	82.1	82.9	83.3	83.6	83.9	84.0	84.1	84.1
≥ 1000	62.6	72.4	74.5	76.5	79.3	80.6	83.2	83.9	84.0	84.9	85.6	86.0	86.3	86.4	86.6	86.6
≥ 900	62.6	72.7	74.7	77.0	80.1	81.5	84.0	85.1	85.2	86.3	87.0	87.4	87.6	87.9	88.0	88.0
≥ 800	63.1	73.3	75.4	77.7	81.0	82.8	85.3	86.7	87.0	88.2	89.0	89.4	89.8	90.1	90.2	90.2
≥ 700	63.2	73.4	75.7	78.0	81.3	83.1	85.6	87.0	87.2	88.4	89.2	89.7	90.1	90.3	90.5	90.5
≥ 600	63.3	73.9	76.3	78.6	82.7	84.5	87.1	88.4	88.7	89.9	90.7	91.1	91.5	91.8	92.1	92.1
≥ 500	63.4	74.2	76.6	78.9	83.1	85.1	87.8	89.1	89.4	90.7	91.5	91.9	92.3	92.6	93.0	93.0
≥ 400	63.8	74.7	77.2	79.4	83.9	85.9	89.2	90.6	90.9	92.2	93.0	93.4	93.8	94.1	94.5	94.8
≥ 300	64.1	75.0	77.4	80.0	84.8	87.1	90.7	92.2	92.5	94.1	94.9	95.4	95.8	96.1	96.5	96.8
≥ 200	64.1	75.0	77.4	80.1	85.1	87.4	91.1	92.7	93.0	95.0	96.2	96.8	97.6	97.8	98.5	98.6
≥ 100	64.1	75.0	77.4	80.1	85.1	87.4	91.1	92.7	93.0	95.0	96.4	97.0	97.8	98.1	99.3	99.7
≥ 0	64.1	75.0	77.4	80.1	85.1	87.4	91.1	92.7	93.0	95.2	96.5	97.2	98.0	98.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 64 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14914	HECTOR APT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	37.1	39.5	39.8	40.3	40.6	40.6	41.3	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	45.1	48.1	48.7	49.2	49.5	49.5	50.4	50.4	50.4	50.4	50.8	50.8	50.8	50.8	50.8	50.8
≥ 18000	45.4	48.5	49.1	49.6	49.9	49.9	50.8	50.8	50.8	50.8	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	45.4	46.5	49.1	49.6	49.9	49.9	50.8	50.8	50.8	50.8	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	47.1	50.5	51.1	51.6	51.9	51.9	52.8	52.8	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	48.1	51.6	52.2	52.7	53.0	53.0	53.9	53.9	53.9	53.9	54.3	54.3	54.3	54.3	54.3	54.3
≥ 10000	50.1	53.8	54.3	54.8	55.1	55.1	56.0	56.2	56.2	56.2	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	51.7	55.8	56.3	57.1	57.4	57.4	58.3	58.5	58.5	58.6	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	52.6	56.6	57.1	57.9	58.3	58.3	59.3	59.4	59.4	59.5	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	54.4	58.6	59.1	59.9	60.3	60.3	61.3	61.4	61.4	61.6	62.1	62.1	62.1	62.1	62.1	62.1
≥ 6000	55.9	60.1	60.6	61.4	61.8	61.8	62.8	62.9	62.9	63.0	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000	56.5	60.8	61.4	62.2	62.6	62.6	63.6	63.7	63.7	63.8	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4500	57.1	61.4	62.2	63.0	63.4	63.4	64.4	64.7	64.7	64.8	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	58.3	63.0	64.1	64.9	65.7	65.7	66.7	67.1	67.1	67.2	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3500	58.3	63.4	64.5	65.3	66.1	66.3	67.2	67.6	67.6	67.7	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	59.8	64.9	66.1	67.1	68.3	68.4	69.9	70.3	70.3	70.4	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2500	61.3	66.9	68.1	69.2	70.6	70.7	72.2	72.8	72.8	73.0	73.7	73.7	73.7	73.7	73.7	73.7
≥ 2000	63.6	69.5	70.8	71.9	73.4	73.5	75.1	75.9	76.1	76.2	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1800	64.4	70.4	71.8	72.8	74.3	74.7	76.3	77.2	77.3	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	65.3	71.8	73.3	74.5	75.9	76.6	78.6	79.4	79.6	79.7	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1200	66.1	73.1	75.0	76.2	77.7	78.5	80.8	81.9	82.0	82.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	66.7	73.9	75.8	77.2	79.0	80.0	82.5	84.1	84.3	84.8	85.9	86.0	86.2	86.2	86.2	86.2
≥ 900	67.1	74.7	76.7	78.2	80.4	81.3	83.9	85.5	85.6	86.2	87.2	87.4	87.5	87.5	87.5	87.5
≥ 800	67.5	75.4	78.0	79.8	82.3	83.2	85.8	87.5	87.6	88.6	89.8	89.9	90.1	90.1	90.1	90.1
≥ 700	67.6	75.5	78.2	80.1	82.7	83.6	86.4	88.2	88.3	89.4	90.7	90.9	91.0	91.0	91.0	91.0
≥ 600	67.7	76.3	79.0	81.0	83.6	84.5	87.9	89.9	90.1	91.1	92.5	92.6	92.7	92.7	92.7	92.7
≥ 500	67.7	76.5	79.3	81.6	84.4	85.5	89.4	91.5	91.7	93.0	94.4	94.6	94.9	95.0	95.2	95.2
≥ 400	67.7	76.6	79.6	82.0	84.9	86.3	90.3	92.5	92.6	94.0	95.3	95.6	95.8	96.0	96.1	96.5
≥ 300	67.7	76.6	79.6	82.1	85.8	87.2	91.5	93.7	93.8	95.7	97.4	97.7	98.1	98.3	98.5	98.9
≥ 200	67.7	76.6	79.6	82.1	85.8	87.2	91.7	93.8	94.0	95.8	97.6	97.8	98.4	98.5	98.9	99.3
≥ 100	67.7	76.6	79.6	82.1	85.8	87.2	91.7	93.8	94.0	95.8	97.6	97.8	98.8	98.9	99.6	100.0
≥ 0	67.7	76.6	79.6	82.1	85.8	87.2	91.7	93.8	94.0	95.8	97.6	97.8	98.8	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM JUL 66 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 1%	HECTOR APT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.7	41.3	41.4	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.9	41.9
≥ 20000	46.1	48.3	49.3	49.7	49.7	49.7	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.3	50.3
≥ 18000	46.5	48.7	49.7	50.1	50.1	50.1	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.7	50.7
≥ 6000	46.6	48.8	49.9	50.3	50.3	50.3	50.4	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.8	50.8
≥ 14000	47.3	49.7	50.8	51.2	51.2	51.2	51.3	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.9	51.9
≥ 12000	49.2	51.6	52.7	53.1	53.2	53.2	53.5	53.8	53.8	53.9	53.9	53.9	53.9	53.9	54.0	54.0
≥ 10000	52.6	55.4	56.5	56.9	57.3	57.3	57.5	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.1	58.1
≥ 9000	53.9	57.3	58.3	58.9	59.3	59.4	59.8	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.3
≥ 8000	54.9	58.2	59.4	59.9	60.3	60.5	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4	61.4
≥ 7000	56.3	59.7	60.9	61.4	61.8	62.0	62.4	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.9	62.9
≥ 6000	58.2	61.6	62.8	63.3	63.7	64.0	64.5	64.8	64.8	64.9	64.9	64.9	64.9	64.9	65.1	65.1
≥ 5000	58.9	62.5	63.7	64.2	64.7	64.9	65.6	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.1	66.1
≥ 4500	59.5	63.4	64.7	65.3	65.7	66.0	66.7	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.2	67.2
≥ 4000	60.5	64.5	65.9	66.5	67.1	67.5	68.1	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.8	68.8
≥ 3500	61.3	65.3	66.9	67.6	68.1	68.7	69.4	69.8	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.0
≥ 3000	63.0	67.1	68.7	69.5	70.3	70.8	71.5	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.2	72.2
≥ 2500	63.4	67.6	69.4	70.3	71.2	71.9	72.8	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5
≥ 2000	66.8	71.2	73.3	74.2	75.4	76.2	77.2	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.1	78.1
≥ 1800	67.6	72.3	74.3	75.4	76.6	77.4	78.4	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.3	79.3
≥ 1500	69.0	74.1	76.1	77.2	78.5	79.3	80.2	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.5	81.5
≥ 1200	69.4	75.1	77.3	78.6	80.2	81.2	82.1	83.2	83.2	84.0	84.1	84.1	84.1	84.1	84.3	84.3
≥ 1000	69.6	75.9	78.4	79.8	81.7	83.1	84.3	85.5	85.5	86.4	86.6	86.7	86.8	86.8	87.0	87.0
≥ 900	69.6	77.0	79.7	81.2	83.2	84.7	86.0	87.2	87.2	88.2	88.7	88.8	89.0	89.0	89.1	89.1
≥ 800	69.8	77.6	80.4	81.9	84.1	85.6	87.0	88.2	88.2	89.2	89.8	89.9	90.1	90.1	90.2	90.2
≥ 700	70.3	78.2	81.3	82.8	85.3	86.8	88.3	89.5	89.5	90.6	91.1	91.3	91.4	91.4	91.5	91.5
≥ 600	70.6	78.8	82.1	84.0	87.4	88.8	90.9	92.2	92.2	93.3	94.0	94.1	94.2	94.2	94.4	94.4
≥ 500	70.7	79.2	82.9	84.8	88.3	90.1	92.3	93.7	93.7	94.8	95.6	95.7	95.8	95.8	96.0	96.0
≥ 400	70.7	79.3	83.3	85.5	89.0	90.7	93.1	94.6	94.6	95.7	96.5	96.8	97.0	97.0	97.2	97.4
≥ 300	70.7	79.3	83.3	85.5	89.1	90.9	93.5	95.3	95.4	97.0	97.8	98.1	98.4	98.4	98.5	98.8
≥ 200	70.7	79.3	83.3	85.5	89.1	90.9	93.7	95.4	95.6	97.2	98.0	98.3	98.5	98.5	99.1	99.5
≥ 100	70.7	79.3	83.3	85.5	89.1	90.9	93.7	95.4	95.6	97.2	98.4	98.7	99.1	99.1	99.5	100.0
≥ 0	70.7	79.3	83.3	85.5	89.1	90.9	93.7	95.4	95.6	97.2	98.4	98.7	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2

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

CEILING VERSUS VISIBILITY

1 14	HECTOR APT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	43.4	45.6	46.1	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.3	47.3	47.4	47.6
≥ 20000	46.1	48.5	49.1	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.4	50.4	50.5	50.7
≥ 18000	47.6	49.1	49.6	50.4	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.9	50.9	51.1	51.2
≥ 16000	46.3	49.2	49.7	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.8	51.1	51.1	51.2	51.3
≥ 14000	48.1	51.5	51.1	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.6	52.7
≥ 12000	49.3	51.7	52.3	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6	53.6	53.8	53.9
≥ 10000	52.4	54.8	55.4	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7	56.7	56.9	57.0
≥ 9000	53.6	56.5	57.1	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5	58.5	58.6	58.7
≥ 8000	55.2	58.1	58.7	59.5	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.1	60.1	60.2	60.3
≥ 7000	56.5	59.4	60.1	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.6	61.6	61.7	61.8
≥ 6000	57.7	61.3	61.7	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.2	63.2	63.3	63.4
≥ 5000	59.1	62.6	63.3	64.2	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.9	64.9	65.1	65.2
≥ 4500	59.8	63.6	64.2	65.2	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.9	65.9	66.0	66.1
≥ 4000	61.3	65.3	66.3	67.5	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.3	68.4
≥ 3500	61.7	65.7	66.7	67.9	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.8	69.0
≥ 3000	62.6	67.2	68.4	69.8	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.6	70.6	70.7	70.8
≥ 2500	64.9	69.8	71.0	72.4	73.0	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.7	73.7	73.8	73.9
≥ 2000	66.4	71.8	73.4	75.1	75.9	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.6	76.6	76.7	76.9
≥ 1800	67.3	72.8	74.6	76.3	77.2	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.8	77.8	78.0	78.1
≥ 1500	69.2	75.7	77.7	79.4	80.4	80.5	80.8	80.8	80.8	80.8	80.8	80.8	81.0	81.0	81.2	81.3
≥ 1200	70.4	77.3	79.6	81.5	82.7	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.5	83.5	83.6	83.7
≥ 1000	70.8	78.5	80.9	82.9	84.3	84.4	85.1	85.2	85.2	85.2	85.2	85.2	85.5	85.5	85.6	85.8
≥ 900	71.1	79.2	81.7	83.9	85.3	85.5	86.3	86.6	86.6	86.8	86.8	87.0	87.2	87.2	87.4	87.5
≥ 800	71.2	80.1	82.8	85.5	87.1	87.2	88.0	88.3	88.3	89.0	89.0	89.1	89.4	89.4	89.5	89.7
≥ 700	71.4	80.8	83.6	86.4	88.3	88.4	89.2	89.7	89.7	90.3	90.3	90.5	90.7	90.7	90.9	91.0
≥ 600	72.2	82.0	84.9	87.8	89.7	89.8	90.6	91.0	91.0	91.8	91.9	92.1	92.5	92.5	92.6	92.7
≥ 500	72.3	82.7	85.8	88.8	90.9	91.0	91.8	92.2	92.2	93.0	93.1	93.3	93.7	93.7	93.8	94.0
≥ 400	72.3	83.1	86.3	90.2	92.2	92.6	93.4	93.8	93.8	94.6	94.8	94.9	95.3	95.3	95.4	95.6
≥ 300	72.3	83.5	87.0	91.5	93.7	94.4	95.3	95.7	95.7	96.6	96.9	97.0	97.4	97.4	97.8	98.0
≥ 200	72.3	83.5	87.0	91.7	94.0	94.6	95.8	96.4	96.5	97.4	97.7	98.0	98.4	98.5	99.3	99.5
≥ 100	72.3	83.5	87.0	91.7	94.0	94.6	96.0	96.5	96.6	97.6	97.8	98.1	98.5	98.7	99.6	99.7
≥ 0	72.3	83.5	87.0	91.7	94.0	94.6	96.0	96.5	96.6	97.6	97.8	98.1	98.5	98.7	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible]	HECTOR APT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	40.1	42.3	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.7	42.7	43.3	43.4	43.5	43.5
≥ 20000	41.4	43.8	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.4	44.4	44.9	45.0	45.2	45.2
≥ 18000	41.5	44.4	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9	45.4	45.6	45.7	45.7
≥ 16000	41.5	44.4	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9	45.4	45.6	45.7	45.7
≥ 14000	43.4	46.0	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5	46.5	47.0	47.2	47.3	47.3
≥ 12000	44.3	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.0	48.0	48.5	48.7	48.8	48.8
≥ 10000	50.1	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.9	54.0	54.2	54.2
≥ 9000	52.3	55.0	55.0	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	56.2	56.3	56.5	56.5
≥ 8000	53.2	56.0	56.0	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	57.3	57.4	57.5	57.5
≥ 7000	55.1	57.9	58.1	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.4	59.5	59.7	59.7
≥ 6000	57.1	60.1	60.2	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.9	62.0	62.1	62.1
≥ 5000	58.3	61.8	62.0	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.8	64.0	64.1	64.1
≥ 4500	59.3	63.0	63.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	65.2	65.3	65.5	65.5
≥ 4000	61.1	65.1	65.3	66.7	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.6	67.7	67.9	67.9
≥ 3500	61.4	65.6	65.9	67.2	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	68.3	68.4	68.5	68.5
≥ 3000	63.2	68.1	68.7	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.6	70.6	71.1	71.2	71.4	71.4
≥ 2500	64.7	70.4	71.1	72.6	73.0	73.0	73.1	73.1	73.1	73.1	73.3	73.3	73.8	73.9	74.1	74.1
≥ 2000	67.1	73.3	74.3	75.9	76.5	76.5	76.6	76.6	76.6	76.6	76.7	76.7	77.3	77.4	77.6	77.6
≥ 1800	67.7	74.1	75.1	76.7	77.3	77.3	77.4	77.4	77.4	77.4	77.6	77.6	78.1	78.2	78.4	78.4
≥ 1500	68.8	75.9	77.4	79.3	80.0	80.0	80.5	80.6	80.6	80.6	80.8	80.8	81.3	81.5	81.6	81.6
≥ 1200	71.1	78.6	80.5	82.7	83.5	83.5	84.1	84.3	84.3	84.3	84.4	84.4	84.9	85.1	85.2	85.2
≥ 1000	72.3	80.5	83.1	85.3	86.6	86.6	87.4	87.5	87.5	87.5	87.6	87.6	88.2	88.3	88.4	88.4
≥ 900	72.6	80.8	83.5	85.8	87.1	87.1	87.9	88.0	88.0	88.0	88.2	88.2	88.7	88.8	89.0	89.0
≥ 800	73.3	81.5	84.3	86.6	87.9	87.9	88.7	88.8	88.8	89.0	89.1	89.1	89.7	89.8	89.9	89.9
≥ 700	73.9	82.3	85.3	87.9	89.4	89.4	90.3	90.5	90.5	90.6	90.7	90.7	91.3	91.4	91.5	91.5
≥ 600	74.1	82.7	85.8	88.6	90.3	90.3	91.3	91.4	91.4	91.5	91.7	91.7	92.2	92.3	92.9	92.9
≥ 500	74.2	83.3	86.4	89.4	91.1	91.1	92.2	92.5	92.5	92.6	92.7	92.7	93.3	93.4	94.0	94.0
≥ 400	74.2	83.3	86.8	89.9	91.9	92.2	93.5	93.8	93.8	94.0	94.1	94.1	94.6	94.8	95.3	95.3
≥ 300	74.2	83.5	87.2	91.0	93.1	93.4	94.9	95.4	95.6	96.0	96.1	96.1	96.6	96.8	97.3	97.3
≥ 200	74.2	83.6	87.4	91.1	93.5	93.8	95.4	96.1	96.2	96.6	96.9	96.9	97.7	98.3	98.8	98.8
≥ 100	74.2	83.6	87.4	91.1	93.5	93.8	95.4	96.1	96.2	96.6	96.9	96.9	98.0	98.8	99.5	99.5
≥ 0	74.3	83.7	87.5	91.3	93.7	94.0	95.6	96.2	96.4	96.8	97.0	97.0	98.1	98.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14 | HECTOR APT FARGO ND | 73-80 | DEC
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.3	40.4	40.5	41.2	41.4	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.9	42.0	42.2	42.3
≥ 20000	42.3	44.9	45.4	45.9	46.1	46.2	46.4	46.5	46.5	46.6	46.6	46.6	46.9	46.9	47.1	47.2
≥ 18000	42.3	45.3	45.9	46.4	46.6	46.7	46.9	47.0	47.0	47.0	47.1	47.1	47.3	47.4	47.6	47.7
≥ 16000	42.9	45.4	45.9	46.4	46.6	46.7	47.0	47.0	47.0	47.1	47.2	47.2	47.4	47.4	47.6	47.7
≥ 14000	43.1	46.6	47.1	47.6	47.8	47.9	48.2	48.3	48.3	48.3	48.4	48.4	48.6	48.7	48.8	49.0
≥ 12000	48.5	48.2	48.7	49.2	49.5	49.6	49.8	49.9	49.9	50.0	50.1	50.1	50.3	50.3	50.5	50.6
≥ 10000	48.7	51.8	52.4	52.9	53.2	53.3	53.6	53.7	53.7	53.7	53.8	53.8	54.0	54.1	54.3	54.4
≥ 9000	50.5	53.8	54.4	55.0	55.4	55.5	55.8	55.9	55.9	55.9	56.0	56.0	56.3	56.3	56.5	56.6
≥ 8000	51.5	54.8	55.5	56.2	56.5	56.6	56.9	57.0	57.0	57.1	57.2	57.2	57.4	57.5	57.6	57.8
≥ 7000	53.3	56.7	57.4	58.1	58.6	58.7	58.9	59.0	59.1	59.1	59.2	59.2	59.4	59.5	59.6	59.6
≥ 6000	55.0	58.5	59.3	60.1	60.5	60.6	61.0	61.1	61.1	61.1	61.2	61.2	61.5	61.5	61.7	61.8
≥ 5000	56.3	60.1	60.9	61.7	62.2	62.3	62.7	62.8	62.9	62.9	63.0	63.0	63.2	63.3	63.4	63.6
≥ 4500	57.1	61.1	61.9	62.8	63.3	63.4	63.8	64.0	64.0	64.1	64.2	64.2	64.4	64.4	64.6	64.8
≥ 4000	59.0	63.4	64.3	65.4	66.0	66.2	66.6	66.8	66.8	66.9	67.0	67.0	67.3	67.3	67.5	67.6
≥ 3500	59.7	64.2	65.2	66.3	67.0	67.2	67.6	67.8	67.8	67.9	68.0	68.0	68.3	68.3	68.5	68.6
≥ 3000	61.2	66.2	67.3	68.5	69.3	69.5	70.0	70.2	70.2	70.3	70.4	70.4	70.7	70.7	70.9	71.0
≥ 2500	63.7	68.4	69.6	71.0	72.0	72.2	72.9	73.1	73.2	73.3	73.4	73.4	73.6	73.6	73.8	74.0
≥ 2000	64.3	70.7	72.1	73.7	74.9	75.2	75.9	76.2	76.2	76.4	76.5	76.5	76.7	76.8	76.9	77.1
≥ 1800	65.1	71.8	73.4	75.1	76.3	76.6	77.3	77.6	77.7	77.8	77.9	77.9	78.1	78.2	78.3	78.5
≥ 1500	67.3	73.8	75.6	77.4	78.7	79.0	79.9	80.3	80.3	80.5	80.7	80.7	80.9	81.0	81.2	81.3
≥ 1200	68.5	75.5	77.5	79.4	80.9	81.4	82.4	82.9	82.9	83.2	83.4	83.5	83.7	83.7	83.9	84.1
≥ 1000	69.2	76.6	78.9	81.0	82.7	83.3	84.5	85.1	85.1	85.5	85.8	85.9	86.1	86.2	86.3	86.5
≥ 900	69.8	77.4	79.8	82.0	83.8	84.4	85.7	86.4	86.4	86.8	87.2	87.3	87.6	87.6	87.8	88.0
≥ 800	70.1	78.1	80.7	83.0	85.0	85.7	87.0	87.7	87.8	88.4	88.8	88.9	89.2	89.2	89.4	89.6
≥ 700	70.4	78.7	81.4	83.9	85.9	86.6	88.0	88.7	88.8	89.5	89.9	90.0	90.3	90.3	90.5	90.7
≥ 600	70.8	79.5	82.4	85.0	87.3	88.1	89.6	90.4	90.5	91.2	91.6	91.7	92.1	92.1	92.5	92.6
≥ 500	71.1	80.0	83.1	85.9	88.4	89.3	90.9	91.8	91.8	92.6	93.1	93.2	93.5	93.6	94.0	94.2
≥ 400	71.1	80.2	83.5	86.5	89.2	90.3	92.1	93.0	93.0	93.8	94.3	94.4	94.8	94.9	95.3	95.6
≥ 300	71.2	80.4	83.8	87.0	90.1	91.4	93.3	94.4	94.5	95.5	96.1	96.3	96.8	96.9	97.3	97.6
≥ 200	71.2	80.4	83.8	87.1	90.4	91.6	93.7	94.8	94.9	96.1	96.9	97.0	97.7	97.9	98.5	98.8
≥ 100	71.2	80.4	83.8	87.1	90.4	91.6	93.7	94.8	95.0	96.2	97.0	97.3	98.1	98.3	99.4	99.7
≥ 0	71.2	80.4	83.8	87.1	90.4	91.6	93.8	94.9	95.0	96.2	97.1	97.3	98.1	98.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 5953

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

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-14 STATION | HECTOR APT FARGO ND STATION NAME | 73-81 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	52.0	53.3	53.7	53.9	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.5	54.5
≥ 20000	57.2	59.8	59.2	59.4	59.6	59.7	59.8	59.9	59.9	59.9	60.0	60.0	60.1	60.1	60.1	60.2
≥ 18000	57.5	59.1	59.5	59.8	59.9	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.5	60.5
≥ 16000	57.6	59.2	59.6	59.8	60.0	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.5	60.5	60.5	60.6
≥ 14000	58.4	60.1	60.5	60.8	60.9	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.4	61.4	61.5	61.5
≥ 12000	60.3	62.0	62.4	62.7	62.9	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.4	63.5
≥ 10000	63.9	65.4	65.8	66.1	66.3	66.4	66.6	66.6	66.6	66.7	66.8	66.8	66.8	66.9	66.9	67.0
≥ 9000	65.0	67.0	67.4	67.7	68.0	68.0	68.2	68.3	68.3	68.3	68.4	68.4	68.5	68.5	68.6	68.6
≥ 8000	66.2	68.3	68.8	69.1	69.3	69.4	69.6	69.6	69.6	69.7	69.8	69.8	69.9	69.9	69.9	70.0
≥ 7000	68.3	70.5	70.9	71.3	71.5	71.6	71.8	71.8	71.9	71.9	72.0	72.0	72.1	72.1	72.2	72.2
≥ 6000	69.9	72.2	72.7	73.1	73.3	73.4	73.6	73.7	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.1
≥ 5000	71.3	73.8	74.4	74.8	75.1	75.2	75.4	75.4	75.5	75.6	75.6	75.6	75.7	75.7	75.8	75.9
≥ 4500	72.1	74.8	75.3	75.8	76.1	76.2	76.4	76.5	76.5	76.6	76.6	76.6	76.7	76.8	76.8	76.9
≥ 4000	73.7	76.5	77.2	77.7	78.0	78.1	78.3	78.4	78.4	78.6	78.6	78.6	78.7	78.7	78.8	78.9
≥ 3500	74.5	77.4	78.1	78.6	78.9	79.1	79.3	79.4	79.4	79.5	79.6	79.6	79.7	79.7	79.8	79.9
≥ 3000	76.3	79.5	80.2	80.8	81.1	81.3	81.6	81.7	81.7	81.8	81.9	81.9	82.0	82.0	82.1	82.1
≥ 2500	78.1	81.6	82.4	83.1	83.5	83.7	84.0	84.1	84.1	84.3	84.3	84.3	84.4	84.5	84.5	84.6
≥ 2000	80.0	83.9	84.8	85.6	86.1	86.3	86.6	86.8	86.8	87.0	87.0	87.0	87.1	87.2	87.2	87.3
≥ 1800	80.7	84.7	85.7	86.5	87.0	87.2	87.6	87.7	87.8	87.9	88.0	88.0	88.1	88.1	88.2	88.3
≥ 1500	81.9	86.2	87.2	88.1	88.7	88.9	89.4	89.6	89.6	89.8	89.9	89.9	90.0	90.0	90.1	90.2
≥ 1200	82.9	87.6	88.7	89.7	90.4	90.7	91.2	91.4	91.5	91.7	91.8	91.8	91.9	91.9	92.0	92.1
≥ 1000	83.6	88.6	89.9	90.9	91.7	92.0	92.6	92.9	93.0	93.2	93.4	93.4	93.5	93.6	93.6	93.7
≥ 900	84.0	89.2	90.4	91.6	92.4	92.7	93.4	93.7	93.8	94.1	94.2	94.3	94.4	94.4	94.5	94.6
≥ 800	84.2	89.5	90.9	92.1	92.9	93.3	94.0	94.3	94.4	94.7	94.9	94.9	95.1	95.1	95.2	95.3
≥ 700	84.4	89.9	91.3	92.5	93.4	93.8	94.6	95.0	95.0	95.4	95.6	95.6	95.8	95.8	95.9	96.0
≥ 600	84.6	90.3	91.7	93.1	94.0	94.5	95.3	95.7	95.7	96.2	96.4	96.4	96.6	96.6	96.7	96.8
≥ 500	84.7	90.5	92.0	93.5	94.5	95.0	95.9	96.3	96.4	96.9	97.1	97.1	97.3	97.4	97.5	97.6
≥ 400	84.7	90.6	92.2	93.7	94.8	95.3	96.3	96.8	96.9	97.4	97.7	97.7	97.9	98.0	98.1	98.2
≥ 300	84.7	90.7	92.3	93.9	95.1	95.7	96.7	97.3	97.4	98.0	98.3	98.3	98.6	98.7	98.8	99.0
≥ 200	84.8	90.7	92.4	94.0	95.2	95.8	96.9	97.5	97.6	98.2	98.6	98.6	99.0	99.1	99.3	99.5
≥ 100	84.8	90.7	92.4	94.0	95.2	95.8	96.9	97.5	97.6	98.3	98.6	98.7	99.1	99.2	99.5	99.8
≥ 0	84.8	90.8	92.4	94.0	95.2	95.8	96.9	97.5	97.6	98.3	98.7	98.7	99.1	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7011[illegible]

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

PART D SKY COVER

Stations that report both synoptic and airways observations have had their sky cover reports converted into airways. The synoptic hours have significantly lower observation counts than the airways, hence, a small percentage of observations were reported in the 1/10, 4/10, 5/10, 6/10, and 8/10 categories. In order to use this data more beneficially we have combined:

1/10 and 4/10 into the 3/10 (scattered) category
5/10, 6/10 and 8/10 into the 9/10 (broken) category
0/10 is the clear category
10/10 is the overcast category

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

14914 HECTOP APT FARGO ND 74-81 JAN
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	33.0			13.2						11.4	42.4	5.7	740
	03-05	33.3			11.6						8.5	46.6	5.8	726
	06-08	27.0			15.1						11.0	47.0	6.1	730
	09-11	16.7			18.8						14.6	49.9	6.9	738
	12-14	17.3			16.5						16.1	50.1	7.0	740
	15-17	15.4			21.8						15.9	46.9	6.8	738
	18-20	24.9			17.9						10.5	46.6	6.1	742
	21-23	32.8			13.4						8.4	45.3	5.7	737
TOTALS		25.1			16.0						12.1	46.9	6.3	5891

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

OL[illegible]AL CLIMATOLOGY BRANCH
[illegible]AFETAC
A[illegible] WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND 74-81 FEB
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	30.9			14.0						12.0	43.1	5.8	673
	03-05	26.9			14.3						14.5	44.2	6.2	676
	06-08	21.5			14.7						19.1	44.7	6.6	675
	09-11	15.4			15.7						17.9	51.0	7.2	670
	12-14	11.5			20.8						15.7	51.9	7.2	674
	15-17	8.5			23.1						17.9	50.6	7.4	672
	18-20	15.2			22.7						16.2	45.9	6.7	678
	21-23	27.8			17.0						11.4	43.8	5.9	676
TOTALS		19.7			17.8						15.6	46.9	6.6	5394

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND 74-81 MAR
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	33.1			16.3						10.2	40.5	5.5	744
	03-05	30.4			15.1						10.5	44.1	5.8	744
	06-08	20.9			18.2						14.0	46.9	6.5	742
	09-11	15.4			16.2						18.1	49.3	7.0	742
	12-14	12.0			18.7						19.7	49.6	7.3	742
	15-17	10.7			21.7						18.5	49.1	7.2	741
	18-20	14.1			26.1						17.9	41.9	6.6	744
	21-23	30.2			19.3						10.6	39.9	5.5	742
TOTALS		21.0			19.0						14.9	45.2	6.4	5981

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

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND 74-81 APR
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	33.5			15.6						11.0	39.8	5.4	716
	03-05	27.0			18.2						13.3	41.5	5.9	715
	06-08	19.7			19.0						14.9	46.4	6.5	720
	09-11	17.3			19.3						12.4	51.0	6.8	716
	12-14	13.5			17.0						18.0	51.5	7.3	718
	15-17	11.9			17.7						19.7	50.7	7.4	716
	18-20	12.1			21.0						19.0	47.9	7.1	720
	21-23	24.6			21.7						15.3	38.5	5.9	720
TOTALS		20.0			18.7						15.5	45.9	6.5	5741

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

...L AL CLIMATOLOGY BRANCH
...ETAC
A... .EATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND — 74-81 — MAY
STATION — STATION NAME — PERIOD — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
...EY	...0-02	32.0			19.1						14.2	34.7	5.3	744
	...3-05	25.8			22.3						17.1	34.7	5.7	743
	...6-08	17.5			23.8						17.7	41.0	6.4	744
	...9-11	15.7			20.8						19.2	44.2	6.8	744
	12-14	10.1			24.5						22.0	43.4	7.1	744
	...5-17	7.9			25.2						27.6	39.3	7.2	743
	...0-20	8.8			26.7						24.4	40.1	7.0	741
	21-23	12.1			28.6						18.6	33.6	5.9	740
TOTALS		17.1			23.9						20.1	38.9	6.4	5943

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND — 73-80 — JUN
STATION — STATION NAME — PERIOD — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	30.4			25.6						16.2	27.9	5.0	718
	03-05	19.9			31.0						18.1	31.1	5.7	714
	06-08	16.4			26.3						22.5	34.9	6.3	720
	09-11	14.0			28.8						23.9	33.3	6.3	720
	12-14	6.0			31.9						28.3	33.8	6.9	720
	15-17	6.4			37.2						25.1	31.3	6.5	720
	18-20	12.2			36.7						25.8	25.3	6.0	720
	21-23	20.4			34.2						20.0	25.4	5.4	720
TOTALS		15.7			31.5						22.5	30.4	6.0	5752

...L...AL CLIMATOLOGY BRANCH
...FETAC
A... ...EATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND 73-80 JUL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	[illegible]-02	39.5			25.8						17.3	17.3	4.1	744
	03-05	32.3			27.6						20.6	19.4	4.6	742
	06-08	21.0			31.4						24.3	23.3	5.5	742
	09-11	17.3			33.3						24.7	24.8	5.7	742
	12-14	12.1			38.4						29.8	19.6	5.8	744
	15-17	12.2			41.5						27.7	18.5	5.6	744
	18-20	18.5			42.7						22.6	16.1	4.9	744
	21-23	27.6			36.2						20.7	15.6	4.5	744
TOTALS		22.6			34.6						23.5	19.3	5.1	5946

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND 73-80 AUG
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	00-02	36.1			20.7						14.9	26.2	4.6	743
	03-05	32.7			22.3						17.6	27.4	5.0	737
	06-08	18.3			27.6						21.4	32.6	6.0	742
	09-11	18.2			31.2						21.9	28.7	5.8	743
	12-14	10.1			31.6						29.7	28.6	6.5	744
	15-17	11.8			37.9						23.9	27.4	6.0	744
	18-20	16.0			36.7						21.8	25.4	5.6	743
	21-23	27.3			32.3						18.8	21.5	4.8	743
TOTALS		21.4			30.0						21.3	27.2	5.5	5939

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

(2)

[illegible] AL CLIMATOLOGY BRANCH
[illegible]AFETAC
AI[illegible] WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND — 73-80 (PERIOD) — SEP (MONTH)
STATION — STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	43.6			18.3						11.7	26.4	4.2	716
	03-05	43.4			17.2						12.3	27.2	4.3	717
	06-08	23.0			24.1						20.9	31.9	5.8	717
	09-11	23.4			26.8						17.0	35.7	5.9	719
	12-14	15.1			28.3						21.9	34.6	6.3	720
	15-17	15.7			31.3						24.2	28.9	6.0	720
	18-20	21.9			32.1						20.3	25.7	5.4	720
	21-23	38.1			22.4						13.4	26.1	4.5	719
TOTALS		27.7			25.1						17.7	29.6	5.3	5748

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND — 73-80 (PERIOD) — OCT (MONTH)
STATION — STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	34.5			16.7						11.5	37.3	5.3	742
	03-05	35.4			16.7						10.2	37.6	5.2	742
	06-08	21.2			24.1						16.7	38.0	6.0	744
	09-11	15.3			24.2						16.8	41.7	6.6	744
	12-14	12.1			23.9						24.8	42.2	7.1	742
	15-17	12.0			22.7						23.7	41.6	7.0	743
	18-20	19.7			24.1						18.0	38.2	6.2	743
	21-23	30.6			17.2						16.0	36.2	5.6	741
TOTALS		22.6			20.8						17.5	39.1	6.1	594

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND 73-80 NOV
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	29.7			13.7						12.4	44.2	6.0	715
	03-05	28.4			15.1						10.1	46.4	6.0	714
	06-08	19.8			17.0						15.6	47.5	6.7	716
	09-11	12.8			18.5						16.3	52.4	7.3	718
	12-14	14.3			17.6						21.0	47.1	7.1	720
	15-17	14.0			19.2						19.3	47.5	7.1	720
	18-20	21.3			21.7						12.5	44.4	6.2	718
	21-23	29.7			15.1						9.8	46.4	6.0	714
TOTALS		21.1			17.2						14.6	47.0	6.6	5735

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND 73-80 DEC
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	24.2			11.5						10.6	51.5	6.5	738
	03-05	25.2			13.8						9.1	51.9	6.4	734
	06-08	20.5			12.7						11.7	55.1	6.9	741
	09-11	13.5			13.5						14.8	58.2	7.6	741
	12-14	12.2			12.9						16.1	58.7	7.7	744
	15-17	11.1			16.4						15.2	57.3	7.6	742
	18-20	21.4			16.8						9.7	52.2	6.6	740
	21-23	26.3			11.1						9.1	53.5	6.5	737
TOTALS		19.6			13.6						12.1	54.8	7.0	5917

L AL CLIMATOLOGY BRANCH
ETAC
AF EATHER SERVICE/MAC

SKY COVER

14914 HECTOR APT FARGO ND 73-81 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	25.1			16.0						12.1	46.9	6.3	5891
FEB		19.7			17.8						15.6	46.9	6.6	5394
MAR		21.0			19.0						14.9	45.2	6.4	5941
APR		20.0			16.7						15.5	45.9	6.5	5741
MAY		17.1			23.9						20.1	38.9	6.4	5943
JUN		15.7			31.5						22.5	30.4	6.0	5752
JUL		22.6			34.6						23.5	19.3	5.1	5946
AUG		21.4			30.0						21.3	27.2	5.5	5939
SEP		27.7			25.1						17.7	29.6	5.3	5748
OCT		22.6			27.8						17.5	39.1	6.1	5943
NOV		21.1			17.2						14.6	47.0	6.6	5735
DEC		19.6			13.6						12.1	54.8	7.0	5917
TOTALS		21.1			22.4						17.3	39.3	6.2	69890

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

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

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

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

   b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

   c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

      NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

L GAL CLIMATOLOGY BRANCH
USETAC
... WEATHER SERVICE/MAC
STATION ... HECTOR APT FARGO ND STATION NAME ... 48-64, 66-81 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
[illegible]								.2					.0
100				.1			.5	1.0	.1				.1
95					.4	1.9	4.9	5.8	1.5				1.2
90				.3	2.1	6.9	17.3	17.2	4.7	.2			4.1
85				1.3	7.9	19.9	41.9	36.1	11.5	1.3			10.0
80				3.0	17.9	40.6	70.0	59.4	21.0	4.2			18.0
75			.2	6.5	29.7	61.6	88.2	79.6	35.1	9.2			25.8
70			.3	11.0	45.7	81.1	96.8	91.5	52.7	17.6	.4		33.0
65		.1	1.3	19.9	63.2	92.0	99.6	97.5	69.6	29.4	1.5		39.4
60			2.8	31.1	76.4	98.0	99.8	99.4	84.9	44.5	4.1		49.0
55		.3	5.7	42.9	86.9	99.5	100.0	100.0	93.9	58.7	9.3	.2	49.7
50	.1	1.1	10.8	58.1	93.8	99.8			98.1	72.8	16.0	.4	54.2
45	.3	2.5	17.5	71.3	97.6	100.0			99.6	83.3	25.4	1.6	58.2
40	1.6	5.0	29.2	82.8	99.6				100.0	93.5	40.1	6.0	63.2
35	6.5	14.5	48.8	91.1	99.9					97.7	57.4	14.6	69.2
30	15.3	28.9	65.1	97.6						99.9	74.7	28.6	75.8
25	26.0	42.9	76.4	99.2	100.0					100.0	85.3	43.6	81.1
20	38.8	53.6	86.1	99.8							91.7	56.1	85.5
15	49.6	65.6	92.7	100.0							96.2	69.2	89.4
10	59.4	76.5	96.7								98.0	79.1	92.4
5	69.9	86.7	99.0								99.1	87.0	95.1
0	82.2	94.1	99.6								99.6	94.1	97.4
-5	91.1	97.7	99.9								100.0	97.9	98.9
-10	95.8	99.2	100.0									99.3	99.5
-15	99.0	100.0										99.9	99.9
-20	99.8											100.0	100.0
-25	100.0												100.0
MEAN	13.0	20.4	33.5	52.8	68.0	77.0	82.8	81.3	70.6	57.6	36.9	20.9	51.3
S D	14.145	13.366	12.865	13.504	11.599	8.559	7.027	8.400	10.916	12.300	12.661	12.980	26.973
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

DAILY TEMPERATURES

1 1- HECTOR APT FARGO ND — 46-64, 66-81 YEARS
STATION — STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥								.1					.0
≥ /5							.5	.5					.1
≥ 7[illegible]						1.1	4.1	3.2	.3				.7
≥ [illegible]5					.6	6.7	19.5	13.3	2.8				3.6
≥ [illegible]					4.4	24.3	45.8	36.8	8.3	.3			10.0
≥ [illegible]8				.4	12.2	46.5	74.8	61.7	17.0	2.0			17.9
≥				3.2	24.9	72.3	91.6	84.7	36.1	7.5	.3		26.6
≥ 4[illegible]				6.9	44.5	88.4	98.1	94.3	57.4	15.0	1.0		33.9
≥ 4[illegible]		.1	.8	20.0	64.9	96.7	99.7	99.5	78.6	31.1	2.6		41.1
≥ [illegible]		.3	3.9	34.2	81.0	99.7	100.0	99.9	91.1	51.3	6.5	.1	47.3
≥ 3	.1	.5	7.4	44.7	85.5	99.9		100.0	94.7	59.9	10.5	.5	50.3
≥ [illegible]	.2	2.6	15.2	61.1	93.5	100.0			97.4	73.8	20.0	1.7	55.4
≥ 4[illegible]	1.4	6.3	30.9	81.8	98.1				99.7	89.4	38.3	6.2	62.6
≥ [illegible]	5.1	14.2	45.0	92.3	100.0				100.0	96.0	56.6	14.8	68.6
≥ 1[illegible]	9.9	20.9	56.0	96.1						98.7	71.4	26.1	73.2
≥ 1[illegible]	17.7	32.5	67.6	98.5						99.8	81.7	36.8	77.9
≥	27.6	42.2	77.6	99.3						100.0	89.0	49.6	82.1
≥ [illegible]	3[illegible].4	53.8	85.7	99.8							93.6	61.3	86.0
≥ -[illegible]	49.6	66.0	91.4	99.9							96.9	72.5	89.7
≥ -1[illegible]	61.1	76.2	95.1	100.0							98.6	82.6	92.8
≥ -1[illegible]	73.5	86.4	98.3								99.6	91.1	95.7
≥ -2[illegible]	85.6	93.5	99.3								99.9	96.8	97.9
≥ -25	93.5	98.0	99.7								100.0	98.5	99.1
≥ -3[illegible]	98.2	99.7	99.9									99.8	99.8
≥ -35	99.9	100.0	100.0									100.0	100.0
≥ -4[illegible]	100.0												100.0
≥													
≥													
≥													
≥													
≥													
≥													
≥													
MEAN	-[illegible].[illegible]	1.7	15.3	31.8	43.2	53.7	58.6	56.7	46.4	35.2	19.8	3.[illegible]	30.1
S.D.	14.[illegible]77	14.837	13.777	9.235	9.378	7.400	6.516	7.202	8.653	9.143	11.704	13.836	24.189
TOTAL OBS.	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

DAILY TEMPERATURES

STATION 1... HECTOR APT FARGO ND STATION NAME 46-64, 66-81 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

...EAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ [illegible]								.3					.0
≥ [illegible]						.2	.9	1.3	.1				.2
≥ [illegible]					.2	2.3	8.9	7.5	1.5				1.7
≥ 75					2.7	11.1	25.4	24.2	5.1	.2			6.0
≥ 70				.6	7.5	30.2	59.3	48.5	13.3	1.4			13.4
≥ 65				2.3	18.9	54.1	86.2	73.9	24.5	3.5			21.9
≥ [illegible]			.2	6.3	35.6	80.1	97.2	91.0	44.5	9.7			30.3
≥ 55			.4	13.0	55.2	94.0	99.7	98.4	67.3	22.9	.9		37.0
≥ [illegible]		.1	1.2	24.3	74.7	99.0	99.9	100.0	84.9	38.2	2.4		43.7
≥ 45		.2	4.3	41.1	87.8	99.9	100.0		94.7	57.4	7.1	.1	49.3
≥ [illegible]	.1	.8	10.7	60.0	95.8	100.0			99.1	75.5	16.8	.4	54.9
≥ 35	.5	3.0	23.0	77.8	98.9				99.9	89.3	30.3	2.1	60.4
≥ 30	2.6	9.2	38.9	90.7	99.8				100.0	96.4	50.1	9.1	66.4
≥ 25	6.7	18.9	54.2	96.1	100.0					99.1	68.2	19.9	71.9
≥ 20	15.9	31.2	67.6	98.6						99.9	80.4	34.3	77.3
≥ 15	27.1	44.3	78.0	99.2						100.0	88.0	47.5	81.9
≥ 10	38.8	54.4	86.9	99.8							93.6	59.3	86.0
≥ 5	51.2	66.0	92.6	100.0							97.0	71.7	89.8
≥ 0	59.4	76.5	96.7								98.5	80.1	92.6
≥ -5	71.4	87.3	98.8								99.3	89.1	95.5
≥ -10	84.2	93.9	99.8								99.9	96.1	97.8
≥ -15	92.5	98.1	99.9								100.0	98.4	99.1
≥ -20	97.6	99.5										99.8	99.7
≥ -25	99.7	100.0	100.0									100.0	100.0
≥ -30	100.0												100.0
≥ [illegible]													
≥ [illegible]													
≥ [illegible]													
≥ [illegible]													
≥ [illegible]													
≥ [illegible]													
≥ [illegible]													
≥ [illegible]													
MEAN	4.4	11.1	24.6	42.5	55.8	65.6	71.0	69.3	58.7	46.7	28.6	12.5	40.9
S.D	15.793	13.784	12.723	10.548	9.521	7.182	6.094	7.037	8.985	9.835	11.591	13.086	25.341
TOTAL OBS.	1023	932	1023	990	1023	960	992	992	960	992	960	992	11539

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14 14 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
47	37	33	48	76	92	94	101	100	95	78	54	43	101
48	40*	32	41	85	88	94	98	101	86	79	65	40	101
50	27	34	42	68	87	99	94	95	91	78	68	37	99
51	35	38	43	79	86	85	93	94	85	84	48	42	94
52	41	38	44	90	92	98	95	97	96	72	63	40	98
53	38	41	53	73	86	91	95	98	89	90	73	40	98
54	36	43	49	77	83	92	99	93	86	70	68	40	99
55	35	36	60	82	93	91	97	99	91	86	56	36	99
56	36	34	46	69	83	99	88	95	92	84	62	49	99
57	36	40	60	35	84	86	98	93	83	80	54	45	98
58	49	66	57	80	91	90	93	101	87	83	63	42	101
59	33	38	58	78	97	99	98	100	102	75	45	45	102
60	38	38	48	76	88	89	100	94	99	83	58	38	100
61	39	46	67	72	90	95	95	99	91	89	59	41	99
62	40	40	43	88	87	91	86	97	89	86	59	57	97
63	44	51	77	79	88	96	99	97	88	93	62	43	99
64	46	48	56	81	98	98	96	96	90	80	67	31	98
66	23	37	60	70	87	96	95	91	89	85	47	41	96
67	37	42	78	65	86	89	93	94	88	83	60	52	94
68	39	33	73	85	86	97	95	99	89	80	54	37	99
69	32	35	37	69	95	77	95	95	89	71	61	53	95
70	33	38	42	75	87	95	98	96	93	84	54	41	98
71	32	39	59	80	86	90	87	96	95	70	56	36	96
72	38	36	52	70	91	92	96	95	91	78	54	33	96
73	38	40	60	78	82	92	95	96	77	74	59	35	96
74	32	40	43	78	81	91	99	90	90	83	59	46	99
75	36	35	52	60	82	86	100	90	83	87	70	46	100
76	36	51	58	83	85	95	100	106	99	85	59	44	106
77	30	46	60	85	90	91	97	82	82	72	57	35	97
78	29	32	58	71	86	87	94	96	99	79	73	36	99
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14914 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
79	24	29	39	64	87	95	92	94	98	69	52	46	98
80	39	31	51	100	93	91	102	93	92	85	59	43	102
81	52	53	66	77	84								
MEAN	36.4	40.0	53.9	77.2	87.9	92.2	95.7	95.7	90.4	80.5	59.3	41.7	98.5
S.D.	6.190	7.588	10.692	8.238	4.253	4.824	3.829	4.223	5.570	6.294	6.921	5.840	2.474
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1 14 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48	-34	-27	-34	8	30	42	50	47	40	16	1	-22	-34
49	-25*	-24	-10	20	28	36	47	44	26	17	2	-18	-25
50	-32	-30	-21	10	30	37	42	37	40	21	-9	-28	-32
51	-36	-29	-18	20	30	39	43	44	25	5	-12	-26	-36
52	-32	-13	-22	21	26	40	44	44	33	13	-1	-4	-32
53	-17	-12	-6	9	25	33	47	51	32	24	13	-27	-27
54	-30	-8	-2	1	24	39	43	44	31	20	3	-6	-30
55	-18	-26	-18	26	22	45	52	43	29	13	-12	-27	-27
56	-21	-26	-17	16	28	35	49	42	27	21	-2	-19	-26
57	-27	-19	-3	10	28	39	53	45	28	18	1	-16	-27
58	-16	-23	10	14	20	37	49	44	33	26	-16	-14	-23
59	-20	-24	1	16	27	43	47	50	28	24	-6	5	-24
60	-21	-17	-18	14	26	37	44	40	31	21	-12	-31	-31
61	-27	-12	12	12	20	40	45	42	24	23	4	-21	-27
62	-31	-34	-23	11	32	42	45	49	31	19	9	-14	-34
63	-27	-22	-6	8	21	40	48	46	34	24	2	-28	-28
64	-22	-13	-11	15	31	34	45	33	28	18	-22	-24	-24
66	-33	-31	-18	11	20	35	52	44	29	17	-4	-20	-33
67	-27	-26	-15	13	21	36	36	40	24	16	-5	-32	-32
68	-33	-18	-1	11	30	39	42	35	35	24	9	-28	-33
69	-27	-25	-15	10	24	30	41	45	33	14	2	-10	-27
70	-32	-26	-7	13	26	41	41	42	30	25	-3	-20	-32
71	-30	-26	-2	15	30	45	39	40	27	24	7	-18	-30
72	-33	-27	-18	17	27	38	41	38	32	10	-4	-26	-33
73	-31	-19	18	9	21	39	43	47	26	26	3	-27	-31
74	-28	-33	-11	21	27	41	48	42	23	24	5	-2	-33
75	-14	-20	-11	-7	31	41	47	44	34	26	-1	-18	-20
76	-24	-19	-15	26	21	41	43	46	27	7	-13	-29	-29
77	-35	-19	0	16	30	46	49	42	40	23	-19	-26	-35
78	-24	-21	-16	22	33	37	48	42	38	21	-14	-23	-24
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14 HECTOR APT FARGO ND 48-64, 66-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV.	DEC	ALL MONTHS
79	-28	-29	-12	0	26	42	51	43	35	17	-4	-14	-29
80	-24	-26	-23	21	26	43	46	46	28	17	11	-19	-26
81	-17	-21	2	12	24								
MEAN	-26.5	-22.5	-10.0	13.4	26.2	39.1	45.6	43.2	30.5	19.2	-2.7	-19.8	-29.3
S.D.	6.047	6.476	11.178	7.089	3.879	3.626	4.030	3.936	4.579	5.492	8.873	8.908	3.970
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN MONTH

PAGE 1 | 0000-0200 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
3[illegible] / 33		.3																2	2		
2[illegible] / 31	.3	1.1	.1															11	11	7	
3[illegible] / 29	.8	1.2	.3															17	17	13	
2[illegible] / 27	1.3	.9																17	17	21	1
[illegible] / 25	.3	2.0	.4															20	20	12	1
2[illegible] / 23	.5	1.5																15	15	22	
[illegible]27 / 21	2.4	.8																24	24	27	2
2[illegible] / 19	1.9	1.9																28	28	24	2
1[illegible] / 17	2.0	.9																22	22	26	1
1[illegible] / 15	1.1	2.2																24	24	18	3
1[illegible] / 13	2.3	2.3																34	34	33	2
1[illegible] / 11	3.9	1.3																39	39	43	2
1[illegible] / 9	2.0	.7																20	20	24	3
/ 7	1.3	1.9																24	24	15	2
[illegible] / 5	3.1	2.8																44	44	51	1
[illegible] / 3	.9	4.9																43	43	38	1
[illegible] / 1	1.1	5.0																45	45	41	2
/ -1	3.1	.5																27	27	37	1
-[illegible] / -3	2.8	.5																25	26	28	3
-[illegible] / -5	1.8	.1																14	14	14	3
-[illegible] / -7	3.8																	28	28	29	3
-[illegible] / -9	4.3																	32	32	32	2
-1[illegible] / -11	4.0																	30	30	30	2
-1[illegible] / -13	1.8																	13	13	13	1
-1[illegible] / -15	6.6																	49	49	49	3
-1[illegible] / -17	1.8																	13	13	13	2
-1[illegible] / -19	4.9																	36	36	36	3
-2[illegible] / -21	2.6																	19	19	19	2
-[illegible]2 / -23	1.5																	11	11	11	2
-2[illegible] / -25	.9																	7	7	7	3
-2[illegible] / -27	.9																	7	7	7	1
-[illegible] / -29																					2
-[illegible]0 / -31	.1																	1	1	1	1
-[illegible]2 / -33																			2		1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMAI

1-914 | HECTOR APT FARGO ND | 74-81 | JAN
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 0000-02
HOURS L.S.T.

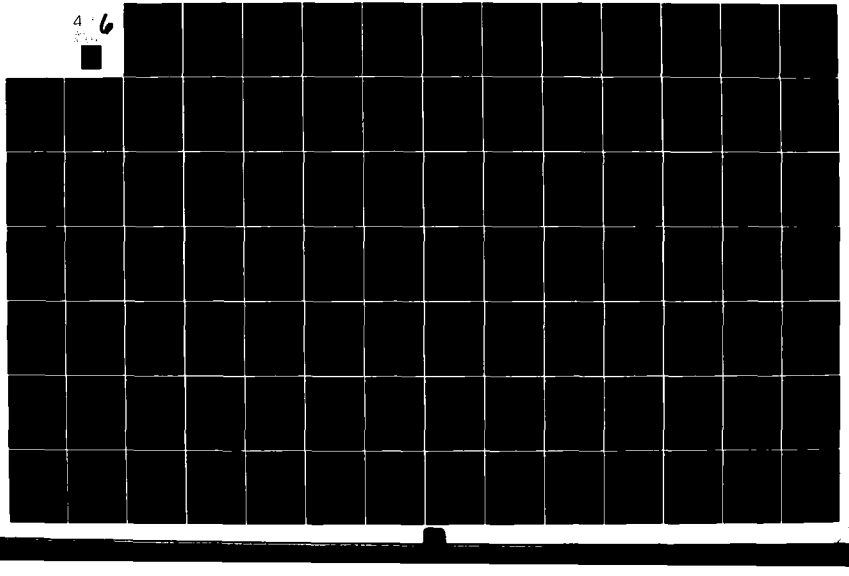
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.	TOTAL W.B.
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb Dew
-34 / -35																			
-36 / -37																			
TOTAL	66.	32.9	.8															744	741

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4192713	54927	74.1	12.799	741							
Dry Bulb	173354	2074	2.8	15.018	744	39.4	92.8					
Wet Bulb	163567	1857	2.5	14.654	741	40.9	93.0					
Dew Point	232613	-2623	-3.5	17.372	741	53.3	93.0					

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

AD-A113 156 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
JAN 82

UNCLASSIFIED USAFETAC/DS-82/001 SBI-AD-E850 137 NL



OF
6
13156
1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
32/ 31		.4																3	3		
30/ 29	.9	1.2																16	16	13	2
28/ 27	.5	.7																9	9	13	8
26/ 25	.1	1.9	.3															17	17	6	12
24/ 23	.8	1.1	.1															15	15	21	5
22/ 21	2.3	1.2																26	26	29	27
20/ 19	2.3	1.3																27	27	25	23
18/ 17	1.9	2.3																31	31	26	20
16/ 15	1.5	1.2																20	20	25	26
14/ 13	2.0	2.4																33	33	22	28
12/ 11	4.2	.9																38	38	52	23
10/ 9	1.9	1.6																26	26	21	38
8/ 7	2.0	1.2																31	31	32	30
6/ 5	2.0	2.3																32	32	36	19
4/ 3	.9	3.8																35	35	29	27
2/ 1	.8	4.7																41	41	40	12
0/ -1	4.7	.7																40	40	45	16
-2/ -3	3.1	.8																29	29	30	30
-4/ -5	3.4																	25	25	29	42
-6/ -7	2.2	.1																17	17	17	23
-8/ -9	3.8																	28	28	28	26
-10/-11	4.2																	31	31	31	22
-12/-13	2.3																	17	17	17	27
-14/-15	4.3																	32	32	32	21
-16/-17	5.0																	37	37	37	15
-18/-19	3.1																	23	23	23	35
-20/-21	4.2																	31	31	31	28
-22/-23	1.8																	13	13	13	22
-24/-25	.9																	7	7	7	34
-26/-27	1.1																	8	8	8	21
-28/-29	.3																	2	2	2	21
-30/-31	.1																	1	1	1	21
-32/-33																			1		20
-34/-35	.1																	1	2	1	6

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-[illegible]14 | HECTOR APT FARGO ND | 74-81 | JAN
STATION | STATION NAME | YEARS | 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
-38/-37																					6
-36/-39																					2
-4[illegible]/-41																					2
TOTAL	60.7	29.9	.4																744		742
																		742		742	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Hum.	4177972	54864	73.9	12.794	742							
Dry Bulb	165075	1193	1.6	14.819	744	43.0	93.0					93
Wet Bulb	156987	1019	1.4	14.490	742	44.1	93.0					93
Dew Point	237207	-3517	-4.7	17.252	742	55.4	93.0					93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN 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
34/ 33		.1	.3															3	3		
32/ 31		.1																1	1	3	
30/ 29	.9	.7																12	12	9	4
28/ 27		1.1																8	8	8	6
26/ 25	.1	.5																5	5	6	5
24/ 23	1.5	2.0	.4															29	29	20	10
22/ 21	1.2	1.4																19	19	26	17
20/ 19	2.0	1.5																26	26	24	20
18/ 17	2.2	1.9																30	30	30	25
16/ 15	2.2	1.6																28	28	30	30
14/ 13	3.0	1.2																31	31	28	28
12/ 11	3.5	.7																31	31	35	29
10/ 9	3.0	1.6																34	34	31	37
8/ 7	2.0	1.5																26	26	24	22
6/ 5	1.4	3.4																35	35	31	14
4/ 3	1.5	3.9																40	40	49	25
2/ 1	1.1	3.0																30	30	27	21
0/ -1	3.9	.4																32	32	36	16
-2/ -3	3.8	.7																33	33	35	32
-4/ -5	4.2	.1																32	32	33	37
-6/ -7	2.0																	15	15	15	16
-8/ -9	3.2																	24	24	24	34
-10/-11	3.9																	29	29	29	25
-12/-13	2.6																	19	19	19	26
-14/-15	4.1																	30	30	30	21
-16/-17	4.9																	36	36	36	19
-18/-19	5.5																	41	41	41	23
-20/-21	3.1																	23	23	23	22
-22/-23	1.6																	12	12	12	33
-24/-25	1.8																	13	13	13	26
-26/-27	1.4																	10	10	10	32
-28/-29	.1																	1	1	1	25
-30/-31	.3																	2	3	2	14
-32/-33																			2		23

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

...AL CLIMATOLOGY BRANCH
...AFETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-34/-35																					12
-3[illegible]/-37																					9
-[illegible]/-41																					2
TOTAL	71.9	27.4	.7																743		740
																		740		740	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4136414	54520	73.7	12.723	740							
Dry Bulb	165676	712	1.0	14.912	743	44.4	92.6					93
Wet Bulb	156735	581	.8	14.542	740	45.1	93.0					93
Dew Point	242260	-3994	-5.4	17.282	740	56.2	93.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
JAN — 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
3[illegible] / 37			.1															1	1		
[illegible] / 35		.3																2	2		
34 / 33	.1	.1	.3															4	4	4	1
[illegible]2 / 31	.1	.9																8	8	4	1
3[illegible] / 29	.4	.3																5	5	11	8
2[illegible] / 27	.5	1.3																14	14	9	7
2[illegible] / 25	.7	1.1																13	13	14	9
24 / 23	1.5	1.3																21	21	21	11
22 / 21	1.3	2.0	.1															26	26	25	21
2[illegible] / 19	2.8	2.3																38	38	32	20
1[illegible] / 17	1.3	1.6																22	22	31	24
1[illegible] / 15	1.3	1.7																23	23	17	31
14 / 13	2.3	1.9																31	31	31	28
12 / 11	2.7	1.9																34	34	35	15
10 / 9	1.1	2.4																26	26	24	34
/ 7	1.2	3.2																33	33	28	27
[illegible] / 5	1.5	4.4																44	44	53	13
4 / 3	2.3	4.0																47	47	49	23
[illegible] / 1	.7	3.8																33	33	29	34
[illegible] / -1	2.8	.5																25	25	29	27
-[illegible] / -3	2.8	.5																25	25	26	40
-[illegible] / -5	3.0																	22	22	25	35
-[illegible] / -7	4.8	.1																37	37	36	24
-[illegible] / -9	3.8																	28	28	29	16
-[illegible] / -11	4.2																	31	31	31	25
-1[illegible] / -13	2.4																	18	18	18	21
-14 / -15	4.3																	32	32	32	24
-1[illegible] / -17	3.8																	28	28	28	26
-1[illegible] / -19	3.8																	28	28	28	29
-[illegible] / -21	2.2																	16	16	16	30
-[illegible]2 / -23	1.7																	13	13	13	25
-24 / -25	1.2																	9	9	9	29
-2[illegible] / -27	.8																	6	6	6	25
-[illegible] / -29																					19

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 74-81 | JAN
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-30/-31	.1																	1	1	1	11
-32/-33																					15
-34/-35																					12
-36/-37																					3
-40/-41																					1
TOTAL	63.6	35.9	.5																744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4129774	54688	73.5	12.163	744							
Dry Bulb	164065	2023	2.7	14.609	744	39.9	92.1					93
Wet Bulb	156177	1717	2.3	14.313	744	40.9	92.5					93
Dew Point	224180	-2882	-3.9	16.932	744	54.6	92.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1[illegible]14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
4[illegible] / 45				.1														1	1		
44 / 43				.1														1	1		
42 / 41																				1	
4[illegible] / 39			.1															1	1	1	
3[illegible] / 37			.3															2	2		
3[illegible] / 35		.5	.7															9	9	3	1
34 / 33	.1	.4	.5															8	8	8	3
32 / 31	.5	.8	.7															15	15	11	8
3[illegible] / 29		.9	.4															10	10	10	8
2[illegible] / 27	.5	1.6	.4															19	19	18	6
2[illegible] / 25	.4	2.6	.1															23	23	16	12
24 / 23	1.3	2.4	.1															29	29	38	16
22 / 21	1.6	2.2																28	28	34	19
20 / 19	2.3	3.4	.1															43	43	38	44
1[illegible] / 17	1.1	1.7																21	21	21	30
16 / 15	1.7	3.5	.1															40	40	32	32
14 / 13	.8	3.0																28	28	32	28
12 / 11	2.4	1.6																30	30	35	25
10 / 9	.9	2.7																27	27	29	35
[illegible] / 7	1.1	5.0																45	45	30	24
[illegible] / 5	1.1	3.6																35	35	50	16
[illegible] / 3	.8	4.2																37	37	40	27
[illegible] / 1	.7	5.1																43	43	35	34
[illegible] / -1	2.0	1.2																24	24	28	24
-[illegible] / -3	2.4	1.1																26	26	29	35
-[illegible] / -5	4.2	.5																35	35	40	37
-[illegible] / -7	3.9	.1																30	30	30	23
- / -9	4.8																	36	36	37	26
-1[illegible] / -11	4.2																	31	31	31	13
-1[illegible] / -13	1.6																	12	12	12	17
-1[illegible] / -15	2.8																	21	21	21	33
-1[illegible] / -17	2.7																	20	20	20	30
-1[illegible] / -19	1.5																	11	11	11	39
-[illegible] / -21	.3																	2	2	2	24

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

L AL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-22/-23	.1																	1	1	1	23
-24/-25																					22
-26/-27																					14
-28/-29																					9
-30/-31																					7
TOTAL	48	48.1	3.6	.3															744		744
																		744		744	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4013790	53922	72.5	11.930	744							
Dry Bulb	184670	5366	7.2	14.016	744	31.1	90.3					93
Wet Bulb	167656	4858	6.5	13.526	744	32.8	91.4					93
Dew Point	191778	94	.1	16.065	744	47.0	92.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914	HECTOR APT FARGO ND	74-81	JAN
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
52 / 51					.1													1	1		
50 / 49				.3														2	2		
48 / 45																				1	
46 / 43																				2	
42 / 41			.3															2	2		
40 / 39			.1															1	1		
38 / 37			.5															4	4	2	1
36 / 35		.9	.1															8	8	2	2
34 / 33		.7	.5															9	9	13	
32 / 31	.5	1.7	.1															18	18	8	9
30 / 29	.5	1.5	.3															17	17	22	11
28 / 27	.9	1.5	.1															19	19	20	19
26 / 25	1.1	2.4	.1															27	27	23	14
24 / 23	.8	2.8	.5															31	31	30	18
22 / 21	1.5	2.3	.4															31	31	35	18
20 / 19	1.7	2.4																31	31	32	31
18 / 17	1.2	3.0	.3															33	33	31	36
16 / 15	1.6	2.7																32	32	29	32
14 / 13	.5	3.6																31	31	23	36
12 / 11	1.2	2.6																28	28	39	20
10 / 9	1.9	3.4																39	39	34	21
/ 7	1.7	3.1																36	36	40	39
/ 5		3.9																29	29	33	26
4 / 3	.3	4.8																38	38	39	28
2 / 1	.9	4.6																41	41	37	16
/ -1	3.6	2.3																44	44	40	21
-2 / -3	1.2	1.9																23	23	30	37
-4 / -5	3.9	1.3																39	39	41	41
-6 / -7	3.5	.1																27	27	34	24
-8 / -9	3.2																	24	24	25	17
-10 / -11	4.3																	30	30	30	30
-12 / -13	1.5																	11	11	11	18
-14 / -15	3.0																	22	22	22	34
-16 / -17	1.3																	10	10	10	31

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

AL CLIMATOLOGY BRANCH
ETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1 /-19	.4																3	3	3	38
- /-21	.3																2	2	2	24
-22/-23																				15
-24/-25																				18
-26/-27																				12
-2 /-29																				2
- /-31																				3
-32/-33																				1
TOTAL	42.5	53.6	3.5	.3	.1												743	743		743
																			743	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3981042	53588	72.1	12.507	743							
Dry Bulb	198097	6407	8.6	13.875	743	29.4	89.6					93
Wet Bulb	178154	5820	7.8	13.366	743	31.0	90.5					93
Dew Point	190420	1008	1.4	15.962	743	45.8	92.6					93

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

2

JL HAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
47 / 45				.1														1	1		
44 / 43			.1															1	1		
40 / 39			.1															1	1	2	
38 / 35		.5																4	4	1	
34 / 33	.1	.3	.4															6	6	5	3
32 / 31	.8	1.2																15	15	13	9
30 / 29	.1	2.0																16	16	15	7
28 / 27	1.1	1.6																20	20	18	14
26 / 25	.4	2.7	.3															25	25	15	20
24 / 23	.9	1.5	.1															19	19	30	7
22 / 21	2.0	3.2																39	39	40	27
20 / 19	1.6	1.3																22	22	22	23
18 / 17	1.9	1.7																27	27	30	37
16 / 15	1.6	2.7																32	32	25	25
14 / 13	1.2	2.2																25	25	29	22
12 / 11	2.4	1.9																32	32	27	25
10 / 9	1.1	2.8																29	29	30	30
8 / 7	3.1	2.7																43	43	42	24
6 / 5	1.5	3.8																39	39	39	28
4 / 3	.5	2.7																24	24	33	35
2 / 1	.3	6.6																51	51	39	28
0 / -1	2.7	1.2																29	29	36	15
-2 / -3	2.6	.4																22	22	30	22
-4 / -5	4.0	.4																33	33	32	26
-6 / -7	4.2																	31	31	33	40
-8 / -9	4.6																	34	34	34	22
-10 / -11	3.9																	29	29	29	18
-12 / -13	3.2																	24	24	24	16
-14 / -15	2.8																	21	21	21	28
-16 / -17	2.2																	16	16	16	35
-18 / -19	2.4																	18	18	18	34
-20 / -21	1.3																	10	10	10	34
-22 / -23	.3																	2	2	2	28
-24 / -25	.3																	2	2	2	19

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
JAN — MONTH

1800-2000 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-? /-27	.3																	2	2	2	15
-? /-29																					11
-? /-31																					6
-? /-33																					4
-3? /-35																					2
-3? /-37																					1
-? /-39																					2
TOTAL	55.4	43.4	1.1	.1															744		744
																		744		744	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4128669	54629	73.4	12.574	744							
Dry Bulb	179743	4415	5.9	14.375	744	34.1	91.4					9
Wet Bulb	167894	4020	5.4	14.026	744	36.1	92.0					9
Dew Point	210264	-606	-.8	16.803	744	47.5	92.6					9

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

2

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]			.1															1	1		
3 / 37		.1																1	1		
[illegible]			.1															1	1	2	
34/ 33	.3																	2	2	3	2
[illegible]2/ 31	.9	1.1	.1															16	16	7	9
[illegible] / 29	.5	2.0																19	19	18	3
[illegible] / 27	.4	.9	.1															11	11	15	13
[illegible] / 25	.9	1.6	.4															22	22	15	19
[illegible]/ 23	.9	2.2																23	23	24	10
[illegible]2/ 21	2.2	2.6																35	35	41	21
[illegible] / 19	1.4	1.8																23	23	20	22
1 / 17	1.2	1.2																18	18	20	28
16/ 15	.9	2.2																23	23	23	31
14/ 13	2.6	1.1																27	27	31	17
1 / 11	3.6	1.2																36	36	32	26
10/ 9	2.0	1.2																24	24	28	31
[illegible] / 7	2.4	3.2																42	42	28	26
[illegible] / 5	2.3	2.8																38	39	49	19
[illegible]/ 3	1.8	3.9																42	42	45	28
[illegible] / 1	.4	3.4																28	29	20	31
[illegible] / -1	2.6	1.5																30	30	30	26
[illegible]/ -3	3.5	1.1																34	34	43	22
[illegible]/ -5	3.5	.1																27	27	29	20
[illegible] / -7	2.6																	19	19	19	30
[illegible] / -9	4.2																	31	31	31	22
-1 /-11	5.5																	41	41	41	32
-12/-13	3.5																	26	26	26	17
-14/-15	4.3																	32	32	32	27
-1[illegible]/-17	2.3																	17	17	17	27
-1 /-19	3.0																	22	22	22	31
[illegible] /-21	1.8																	13	13	13	31
-22/-23	.9																	7	7	7	33
-24/-25	.9																	7	7	7	27
-2[illegible]/-27	.3																	2	2	2	20

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]TAC
AI[illegible]WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
JAN — MONTH

2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-[illegible]/-29																					13
-[illegible]/-31																			1		9
-[illegible]/-33																			1		8
-3[illegible]/-35																					3
-[illegible]/-37																					6
TOTAL	63.8	35.3	.9																744		740
																		740		740	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4187944	54864	74.1	12.759	740							
Dry Bulb	173393	3055	4.1	14.713	744	38.8	92.4					9[illegible]
Wet Bulb	162804	2802	3.8	14.351	740	40.1	92.4					9[illegible]
Dew Point	219831	-1687	-2.3	17.096	740	50.8	92.7					9[illegible]

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 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
[illegible] / 51					.0													1	1		
[illegible] / 49				.0														2	2		
[illegible] / 45				.0														2	2	1	
[illegible] / 43			.0	.0														2	2	2	
[illegible] / 41			.0															2	2	1	
[illegible] / 39			.1															4	4	3	
[illegible] / 37		.0	.1															8	8	2	1
[illegible] / 35		.3	.1															24	24	8	3
[illegible] / 33	.1	.2	.3															34	34	33	9
[illegible] / 31	.4	.9	.1															87	87	53	38
[illegible] / 29	.5	1.2	.1															112	112	111	49
[illegible] / 27	.7	1.2	.1															117	117	122	91
[illegible] / 25	.5	1.9	.2															152	152	107	102
[illegible] / 23	1.0	1.9	.2															182	182	206	61
[illegible] / 21	1.8	2.0	.1															228	228	257	179
[illegible] / 19	2.0	2.0	.0															238	238	217	209
[illegible] / 17	1.6	1.8	.0															204	204	215	216
[illegible] / 15	1.5	2.2	.0															222	222	199	237
[illegible] / 13	1.8	2.2																240	240	229	207
[illegible] / 11	3.0	1.5																268	268	298	192
[illegible] / 9	1.7	2.1																225	225	221	262
[illegible] / 7	2.0	2.7																280	280	239	218
[illegible] / 5	1.6	3.4																296	297	342	154
[illegible] / 3	1.1	4.0																306	306	322	212
[illegible] / 1	.7	4.5																312	313	268	201
[illegible] / -1	3.2	1.0																251	251	281	159
[illegible] / -3	2.3	.9																217	218	251	253
[illegible] / -5	3.5	.3																227	227	243	269
[illegible] / -7	3.4	.1																204	204	213	210
[illegible] / -9	4.0																	237	237	240	186
[illegible] / -11	4.2																	252	252	252	187
[illegible] / -13	2.4																	140	140	140	156
[illegible] / -15	4.0																	239	239	239	218
[illegible] / -17	3.0																	177	177	177	209

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

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

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
JAN — MONTH
PAGE 2
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-1[illegible]/-19	3.1																	182	182	182	261
-[illegible]/-21	2.[illegible]																	116	116	116	215
-[illegible]2/-23	1.[illegible]																	59	59	59	207
-24/-25	.8																	45	45	45	209
-2[illegible]/-27	.6																	35	35	35	157
-2[illegible]/-29	.1																	3	3	3	123
-[illegible]/-31	.1																	5	7	5	90
-[illegible]2/-33																			6		84
-34/-35	.0																	1	2	1	38
-3[illegible]/-37																					37
-3[illegible]/-39																					4
-4[illegible]/-41																					5
TOTAL	60.1	38.3	1.4	.1	.0													5938	5950	5938	5938

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	32948318	436002	73.4	12.546	5938							
Dry Bulb	1404073	25245	4.2	14.765	5950	300.1	734.1					744
Wet Bulb	1309974	22674	3.8	14.355	5938	311.0	737.7					744
Dew Point	1748553	-14207	-2.4	16.994	5938	410.6	742.4					744

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

2

...PAL CLIMATOLOGY BRANCH
...ETAC
AI ...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-...14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB MONTH

PAGE 1 0000-0200 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
...42 / 41			.1																1	1		
4... / 3...		.1	.3																3	3		
3... / 37		.7																	5	5	3	
3... / 35		1.6																	11	11	7	1
3... / 33		1.6	.4																14	14	16	7
3... / 31	.4	1.9	.1																17	17	10	18
2... / 29	1.2	2.5	.3																27	27	23	12
2... / 27	1.2	3.1	.1																30	30	29	15
2... / 25	1.3	3.8	.1																36	36	38	22
2... / 23	1.0	1.3																	16	16	29	30
2... / 21	1.8	1.3																	21	21	20	30
2... / 19	1.9	2.2																	28	28	22	26
1... / 17	1.9	2.1																	27	27	30	21
1... / 15	1.0	1.9																	20	20	21	28
1... / 13	2.2	1.3																	24	24	24	30
1... / 11	3.5	1.2																	32	32	35	22
1... / 9	2.8	1.8																	31	31	30	32
/ 7	1.5	3.7																	35	35	25	16
... / 5	2.5	3.7																	42	42	51	18
... / 3	1.2	4.6																	39	39	34	28
... / 1	.4	4.3																	32	32	34	30
... / -1	3.4	1.5																	33	33	33	19
-... / -3	2.4	.6																	20	20	28	28
-... / -5	4.6																		31	31	33	20
-... / -7	2.5																		17	17	17	26
-... / -9	1.5																		10	10	10	28
-1... / -11	2.9																		20	20	20	38
-1... / -13	1.3																		9	9	9	13
-1... / -15	2.2																		15	15	15	18
-1... / -17	1....																		7	7	7	20
-1... / -19	1.8																		12	12	12	16
-2... / -21	.9																		6	6	6	16
-2... / -23	.3																		2	2	2	12
-24 / -25	.3																		2	2	2	9

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-2?/-27	.4																	3	3	3	6
-2?/-29																					4
-3?/-31																					7
-3?/-33																					7
-34/-35																					2
-3?/-37																					2
-?/-39																					1
TOTAL	51.5	46.9	1.6																678		678
																		678		678	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4047259	51725	76.3	12.222	678							
Dry Bulb	207294	6500	9.6	14.634	678	23.2	79.8					84
Wet Bulb	192272	6084	9.0	14.261	678	24.4	80.8					84
Dew Point	200044	2404	3.5	16.819	678	36.2	83.0					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB 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
3?/ 37		.1																1	1		
?6/ 35		1.0	.1															8	8	3	
34/ 33	.3	2.1																16	16	9	3
32/ 31	.1	2.7	.6															23	23	17	13
3?/ 29	.1	1.9	.1															15	15	22	16
2?/ 27	.9	3.2																28	28	22	14
2?/ 25	.7	3.8																31	31	34	13
24/ 23	.4	2.1																17	17	23	27
?2/ 21	2.5	.9																23	23	29	27
??/ 19	1.6	1.5																21	21	17	26
1?/ 17	2.7	2.8																37	37	28	29
16/ 15	1.6	1.2																19	19	31	22
14/ 13	2.5	1.5																27	27	26	34
1?/ 11	3.8	.6																30	30	31	29
10/ 9	1.3	2.4																25	25	17	35
8/ 7	1.6	2.5																28	28	26	12
?/ 5	1.2	5.2																43	43	46	9
4/ 3	1.3	5.3																45	45	47	20
2/ 1	.9	4.0																33	33	25	25
/ -1	4.4	.3																32	32	47	22
-?/ -3	3.5	.3																26	26	28	39
-4/ -5	2.9																	20	20	20	28
-?/ -7	4.0																	27	27	27	26
-?/ -9	2.7																	18	18	18	29
-10/-11	1.8																	12	12	12	21
-1?/-13	2.7																	18	18	18	27
-14/-15	2.1																	14	14	14	24
-1?/-17	2.2																	15	15	15	15
-1?/-19	1.6																	11	11	11	19
-2?/-21	.9																	6	6	6	13
-22/-23	.3																	2	2	2	13
-24/-25	.6																	4	4	4	18
-2?/-27	.4																	3	3	3	10
-2?/-29																					6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-[illegible]/-31																					1
-[illegible]/-33																					6
-32/-35																					2
-30/-37																					5
TOTAL	53.8	45.3	.9															678	678	678	678

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4050380	51816	76.4	11.553	678							
Dry Bulb	190648	5584	8.2	14.618	678	25.8	80.9					84
Wet Bulb	177740	5210	7.7	14.262	678	27.9	82.5					84
Dew Point	192266	1558	2.3	16.695	678	40.1	83.6					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB 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
7[illegible] / 35		.6																4	4	1	
34 / 33	.4	1.9																16	16	11	1
[illegible] / 31	.3	2.5	.1															20	20	12	14
3[illegible] / 29	.1	2.5	.4															21	21	21	11
2[illegible] / 27	.9	2.1																20	20	28	15
2[illegible] / 25	1.6	3.5																35	35	29	29
24 / 23	.4	1.6																14	14	20	16
22 / 21	2.2	1.6																26	26	29	17
2[illegible] / 19	.9	2.1																20	20	16	29
1[illegible] / 17	2.8	1.2																27	27	31	17
1[illegible] / 15	2.9	1.9																33	33	29	43
14 / 13	1.8	1.5																22	22	26	23
1[illegible] / 11	4.1	.3																30	30	33	23
1[illegible] / 9	1.9	1.2																21	21	15	30
[illegible] / 7	2.8	4.0																46	46	32	23
[illegible] / 5	1.9	2.4																29	29	47	14
4 / 3	1.0	4.9																40	40	36	27
[illegible] / 1	1.3	3.8																35	35	34	25
[illegible] / -1	2.9	.6																24	24	29	17
-2 / -3	2.9	.4																23	23	27	21
-4 / -5	4.4																	30	30	30	42
-[illegible] / -7	4.7	.1																33	33	32	25
-[illegible] / -9	2.8																	19	19	20	24
-10 / -11	3.5																	24	24	24	21
-1[illegible] / -13	1.3																	9	9	9	15
-14 / -15	2.2																	15	15	15	30
-1[illegible] / -17	1.3																	9	9	9	29
-1[illegible] / -19	2.5																	17	17	17	24
-[illegible] / -21	.1																	1	1	1	16
-22 / -23	.3																	2	2	2	11
-2[illegible] / -25	1.0																	7	7	7	7
-2[illegible] / -27	.4																	3	3	3	10
-[illegible] / -29	.4																	3	3	3	14
-[illegible] / -31																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
FEB — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-[illegible]/-33																					1
-3[illegible]/-35																					6
-3[illegible]/-37																					5
-3[illegible]/-39																					1
-4[illegible]/-41																					1
TOTAL	5[illegible]	7	40.7	.6															678		678
																		678		678	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4039449	51731	76.3	11.683	678							
Dry Bulb	185998	5128	7.6	14.746	678	27.1	81.5					84
Wet Bulb	174648	4794	7.1	14.419	678	28.2	82.5					84
Dew Point	194831	1091	1.6	16.888	678	39.8	83.9					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB 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
47/ 45				.1														1	1			
44/ 43					.1													1	1			
42/ 41			.4	.1														4	4			
40/ 39		.3	.6	.1														7	7	3		
38/ 37		.6	.4															7	7	7		
36/ 35		1.9	.7															18	18	9	1	
34/ 33	.1	1.6	.6	.1														17	17	20	9	
32/ 31		2.8	.6															23	23	15	20	
30/ 29	.4	2.9	.9															29	29	28	16	
28/ 27	.1	1.6																12	12	25	22	
26/ 25	.4	1.9																16	16	22	25	
24/ 23		1.5	.1															11	11	8	13	
22/ 21	1.5	2.7																28	28	26	16	
20/ 19	1.9	4.7																45	45	38	25	
18/ 17	1.6	3.7																36	36	40	23	
16/ 15	.3	2.8																21	21	23	41	
14/ 13	1.5	1.6																21	21	23	29	
12/ 11	2.4	1.5																26	26	29	37	
10/ 9	1.5	2.1																24	24	24	24	
8/ 7	1.8	3.8																38	38	30	19	
6/ 5	1.2	5.2																43	43	47	14	
4/ 3	.6	5.0																38	38	40	23	
2/ 1	.9	5.3																42	42	39	28	
0/ -1	4.0	.6																31	31	39	19	
-2/ -3	2.9	1.5																30	30	2.	40	
-4/ -5	2.9	.3																22	22	28	36	
-6/ -7	2.4	.1																17	17	17	29	
-8/ -9	2.7																	18	18	19	25	
-10/-11	2.1																	14	14	14	27	
-12/-13	1.0																	7	7	7	12	
-14/-15	.9																	6	6	6	21	
-16/-17	1.3																	9	9	9	17	
-18/-19	.6																	4	4	4	14	
-20/-21	.7																	5	5	5	15	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
FEB — MONTH

0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-22/-23	.3																	2	2	2	8
-24/-25	.4																	3	3	3	11
-26/-27	.3																	2	2	2	5
-28/-29																					3
-30/-31																					1
-32/-33																					4
-34/-35																					2
-36/-37																					4
TOTAL	38.8	56.0	4.4	.6	.1														678		678
																		678		678	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3901303	50877	75.0	11.106	678							
Dry Bulb	222975	7271	10.7	14.635	678	21.1	77.2					84
Wet Bulb	200221	6707	9.9	14.062	678	22.5	79.2					84
Dew Point	191588	2906	4.3	16.266	678	36.3	82.8					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1-914 HECTOR APT FARGO ND 74-81 FEB
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
5 / 49					.4														3	3		
4 / 47				.7	.1														6	6		
4 / 45			.4	.7	.1														9	9		
4 / 43			.9	.3	.3														10	10	3	
4 / 41			.6	.7															9	9	10	
4 / 39			1.2	.1															9	9	12	
3 / 37		.9	1.9	.6															23	23	10	3
3 / 35		.9	.3	.3															10	10	22	6
3 / 33		1.6	1.0																18	18	18	17
2 / 31	.3	2.4	1.0																25	25	19	24
2 / 29	.4	2.2	.1																19	19	29	22
2 / 27		2.5	.1																18	18	21	21
2 / 25	.4	2.8	.1																23	23	20	24
2 / 23	.1	5.0	.4																38	38	32	23
2 / 21	.6	5.0	.1																39	39	46	18
2 / 19	1.5	2.2																	25	25	33	32
1 / 17	.9	2.7																	24	24	24	40
1 / 15	.3	4.1	.1																31	31	22	40
1 / 13	.6	4.6																	35	35	26	24
1 / 11	.7	3.7																	30	30	37	18
1 / 9	.6	4.4																	34	34	33	30
/ 7	1.6	6.8																	57	57	53	22
/ 5	.6	4.3																	33	33	52	22
/ 3	.4	4.7																	35	35	32	38
/ 1	.1	4.4																	31	31	28	32
/ -1	1.9	1.2																	21	21	25	37
/ -3	.3	1.2																	10	10	15	38
-4 / -5	1.6	.9																	17	17	14	28
/ -7	1.3	.3																	11	11	15	23
/ -9	1.0																		7	7	9	17
-10 / -11	.6																		4	4	4	10
-12 / -13	.1																		1	1	1	10
-14 / -15	.9																		6	6	6	14
-16 / -17	.6																		4	4	4	9

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14 | HECTOR APT FARGO ND | 74-81 | FEB

STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 1200-1400 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-1.../-19	.4																	3	3	3	15
-.../-21																					5
-22/-23																					3
-24/-25																					7
-26/-27																					2
-.../-29																					2
-.../-31																					2
TOTAL	19.1	68.7	8.6	3.5	1.3														678		678
																		678		678	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3635079	49121	72.4	10.614	678							
Dry Bulb	309975	10793	15.9	14.286	678	10.4	72.0					8
Wet Bulb	263140	9830	14.5	13.348	678	11.9	74.7					8
Dew Point	200689	5741	8.5	14.988	678	27.5	80.8					8

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

2

UL RAL CLIMATOLOGY BRANCH
USAFETAC
AI[R] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB MONTH

PAGE 1 | 1500-1700 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 51					.7													5	5	
[illegible] / 49				.1	.9													7	7	
[illegible] / 47			.1	.6	.6													9	9	
[illegible] / 45			.3	.6	.3	.1												9	9	2
[illegible] / 43		.1	.7	.3		.1												9	9	6
[illegible] / 41		.1	.3	.3														5	5	17
[illegible] / 39			1.2	.4	.4													14	14	11 1
[illegible] / 37		.4	1.0	.3														12	12	4 9
[illegible] / 35		1.8	.4															15	15	17 10
34 / 33		1.5	1.9															23	23	25 7
[illegible] / 31	.3	2.1	.9															22	22	22 27
[illegible] / 29		3.5	.7															29	[illegible]	24 31
[illegible] / 27	.4	4.3	.9															38	[illegible]	33 14
[illegible] / 25		3.1	1.6															32	32	38 26
24 / 23	.1	3.2																23	23	33 26
22 / 21	.7	3.2																27	27	39 29
[illegible] / 19	1.0	4.0	.4															37	37	20 40
[illegible] / 17	.7	3.1	.7															31	31	37 33
16 / 15	.3	4.6																33	33	28 42
14 / 13	.1	4.1	.4															32	32	31 22
12 / 11	1.5	2.9																30	30	33 17
[illegible] / 9	.7	3.8																31	31	30 38
/ 7	1.9	5.5																50	50	52 34
/ 5		5.0																34	34	40 18
4 / 3	.6	3.7																29	29	37 33
[illegible] / 1		4.3																29	29	28 24
[illegible] / -1	.9	.6																10	10	14 28
-[illegible] / -3	.3	1.5																12	12	14 32
-[illegible] / -5	1.5	.9																16	16	13 35
-[illegible] / -7	.4	.3																5	5	8 18
- / -9	.6																	4	4	6 12
-10 / -11	.9																	6	6	6 10
-12 / -13																				6
-14 / -15	1.3																	9	9	9 18

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...L CLIMATOLOGY BRANCH
...FETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
FEB — MONTH

PAGE 2
1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-1[illegible]/-17	.1																	1	1	1	7
-1[illegible]/-19																					12
-[illegible]/-21																					5
-[illegible]/-23																					5
-24/-25																					5
-26/-27																					2
TOTAL	14.6	67.7	11.8	2.7	2.9	.3													678		678
																		678		678	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3560677	48525	71.6	11.382	678							
Dry Bulb	351274	12032	17.7	14.264	678	7.8	70.6					84
Wet Bulb	293776	10924	16.1	13.189	678	8.8	73.8					84
Dew Point	215206	6710	9.9	14.829	678	24.4	80.7					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB MONTH

PAGE 1 | 1800-2000 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 47				.1														1	1		
[illegible] / 45			.3	.1														3	3		
44 / 43				.3														2	2		
42 / 41		.3	1.2															10	10	3	
40 / 39		.7	.3		.1													8	8	3	
38 / 37		.9	.4	.6														13	13	16	1
36 / 35		2.4	.7															21	21	9	8
34 / 33	.1	1.3	.9															16	16	22	9
32 / 31	.6	3.2	1.8															38	38	29	27
30 / 29	.3	2.8	.3															23	23	27	28
28 / 27	.3	3.8																28	28	35	13
26 / 25	.3	3.5	.3															28	28	23	23
24 / 23	.4	3.8																29	29	37	37
22 / 21	.9	2.5																23	23	33	23
20 / 19	3.2	1.9																35	35	33	37
18 / 17	.1	2.8	.1															21	21	18	36
16 / 15	.9	2.9	.3															28	28	24	23
14 / 13	.9	3.8	.1															33	33	24	27
12 / 11	1.9	1.5	.1															24	24	42	15
10 / 9	1.6	3.5	.1															36	36	21	31
/ 7	2.4	4.7																48	48	48	34
/ 5	1.0	5.6																45	45	58	13
4 / 3	.9	4.1																34	34	31	33
/ 1	.4	4.0																30	30	32	34
/ -1	1.2	.6																12	12	17	18
-2 / -3	1.0	1.9																20	20	18	39
-4 / -5	2.8	.3																21	21	27	26
-6 / -7	1.2																	8	8	8	27
-8 / -9	1.2																	8	8	8	14
-10 / -11	1.5																	10	10	10	14
-12 / -13	.3																	2	2	2	12
-14 / -15	1.0																	7	7	7	22
-16 / -17	.9																	6	6	6	10
-18 / -19	.4																	3	3	3	9

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]AFETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
FEB — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
[illegible]/-21	.3																	2	2	2	10
[illegible]/-23	.3																	2	2	2	7
[illegible]/-25																					3
[illegible]/-27																					6
[illegible]/-29																					6
[illegible]/-33																					1
TOTAL	29.5	63.1	7.1	1.2	.1														678		678
																		678		678	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3902541	50877	75.0	11.188	678							
Dry Bulb	280088	9886	14.6	14.170	678	12.5	74.8					6[illegible]
Wet Bulb	247701	9149	13.5	13.547	678	13.6	77.4					6[illegible]
Dew Point	208616	5426	8.0	15.621	678	27.8	81.8					8[illegible]

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 74-81 FEB
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	
4[illegible] / 45			.1															1	1		
4[illegible] / 41			.4															3	3	1	
4[illegible] / 39		.6	.1															5	5		
3[illegible] / 37		.4	.1															4	4	7	
3[illegible] / 35		1.9	.3															15	15	6	4
34 / 33		2.1	1.0															21	21	17	6
32 / 31	.1	2.5	.6															22	22	20	15
30 / 29	1.3	2.8	.4															31	31	30	25
2[illegible] / 27	1.2	4.6	.1															40	40	34	22
2[illegible] / 25	.6	4.1																32	32	35	28
24 / 23	.4	1.9																16	16	33	20
22 / 21	1.2	2.1																22	22	21	37
2[illegible] / 19	2.4	1.3																25	25	26	34
18 / 17	1.2	1.6																19	19	20	31
16 / 15	.9	2.7																24	24	20	15
14 / 13	1.2	3.1																29	29	23	22
12 / 11	2.9	1.6	.1															32	32	40	13
10 / 9	3.2	1.0																29	29	33	31
[illegible] / 7	2.2	4.0																42	42	27	34
[illegible] / 5	2.2	5.2																50	50	60	22
[illegible] / 3	.9	4.9																39	39	34	25
[illegible] / 1	.7	4.1																33	33	29	36
/ -1	2.9	2.1																34	34	38	21
-[illegible] / -3	2.7	1.0																25	25	39	26
-[illegible] / -5	1.6																	11	11	11	29
-[illegible] / -7	1.8																	12	12	12	30
-[illegible] / -9	1.5																	10	10	10	18
-1[illegible] / -11	1.2																	8	8	8	35
-1[illegible] / -13	.7																	5	5	5	13
-1[illegible] / -15	1.6																	11	11	11	12
-1[illegible] / -17	1.8																	12	12	12	15
-[illegible] / -19	1.2																	8	8	8	10
-[illegible] / -21	.4																	3	3	3	8
-2[illegible] / -23	.4																	3	3	3	12

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

L AL CLIMATOLOGY BRANCH
AFETAC
AT EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB MONTH

PAGE 2 | 2100-2300 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-24/-25	.1																	1	1	1	9
-26/-27	.1																	1	1	1	5
-28/-29																					8
-30/-31																					2
-32/-33																					4
-34/-35																					1
-36/-37																					1
TOTAL	40.9	55.6	3.5																678		678
																		678		678	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4048473	51823	76.4	11.361	678							
Dry Bulb	233983	7985	11.8	14.377	678	17.8	77.9					84
Wet Bulb	213437	7455	11.0	13.935	678	20.1	80.2					84
Dew Point	200777	3881	5.7	16.241	678	32.0	82.8					84

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

GL[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
AI[illegible]EATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1[illegible]14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB MONTH

PAGE 1 | ALL HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]2/ 51					.1													5	5	
5[illegible]/ 49				.0	.2													10	10	
[illegible]/ 47			.0	.2	.1													16	16	
4[illegible]/ 45			.1	.2	.1	.0												23	23	2
44/ 43		.0	.2	.1	.1	.0												22	22	9
[illegible]2/ 41		.1	.4	.1														32	32	31
40/ 39		.2	.5	.1	.1													46	46	29	1
3[illegible]/ 37		.5	.5	.2														65	65	47	13
36/ 35		1.5	.3	.0														102	102	74	30
34/ 33	.1	1.7	.7	.0														141	141	138	59
32/ 31	.3	2.5	.7															190	190	144	158
30/ 29	.5	2.7	.4															194	194	204	161
2[illegible]/ 27	.6	3.2	.2															214	214	227	136
26/ 25	.7	3.3	.3															233	233	239	190
24/ 23	.4	2.6	.1															164	164	215	192
[illegible]2/ 21	1.4	2.4	.0															209	209	243	197
[illegible]/ 19	1.8	2.5	.1															236	236	205	249
1[illegible]/ 17	1.5	2.5	.1															222	222	228	232
16/ 15	1.0	2.8	.1															209	209	198	254
14/ 13	1.3	2.7	.1															223	223	203	211
1[illegible]/ 11	2.6	1.7	.0															234	234	280	174
1 / 9	1.7	2.5	.0															231	231	203	251
[illegible]/ 7	2.3	4.4																344	344	293	194
6/ 5	1.3	4.6																319	319	401	130
[illegible]/ 3	.9	4.6																299	299	291	227
[illegible]/ 1	.6	4.3																265	265	249	234
/ -1	2.7	.9																197	197	242	181
-[illegible]/ -3	2.0	1.1																166	166	196	263
-[illegible]/ -5	2.8	.3																168	168	176	244
-[illegible]/ -7	2.3	.1																130	130	136	204
- / -9	1.7																	94	94	100	167
-1[illegible]/-11	1.8																	98	98	98	176
-1[illegible]/-13	.9																	51	51	51	110
-1[illegible]/-15	1.5																	83	83	83	159

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

...AL CLIMATOLOGY BRANCH
...ETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14...14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | FEB MONTH

PAGE 2 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-1.../-17	1.2																	63	63	63	122
-1.../-19	1.1																	58	58	58	119
-2.../-21	.4																	23	23	23	88
-22/-23	.2																	13	13	13	71
-24/-25	.3																	17	17	17	68
-2.../-27	.2																	12	12	12	46
-2.../-29	.1																	3	3	3	43
-3.../-31																					14
-32/-33																					23
-34/-35																					13
-36/-37																					17
-3.../-39																					2
-4.../-41																					1
TOTAL	38.1	55.5	4.8	1.0	.5	.0													5424		5424
																	5424			5424	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	31185161	406495	74.9	11.530	5424							
Dry Bulb	1982235	65179	12.0	14.869	5424	145.7	614.8					672
Wet Bulb	1762935	60153	11.1	14.215	5424	157.5	631.1					672
Dew Point	1604097	29717	5.5	16.303	5424	264.0	659.2					672

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAR — MONTH

0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
52 / 51					.4													3	3		
50 / 49				.3	.1	.1												4	4		
48 / 47				.1		.4												4	4		
46 / 45				.1	.1	.1												3	3		
44 / 43		.1		.1														2	2	5	
42 / 41		1.1	.1		.1													10	10	3	
40 / 39		.7	.7	.1														11	11	13	1
38 / 37	.4	3.1	1.1															34	34	17	6
36 / 35		4.6	1.1	.1														43	43	35	18
34 / 33	1.7	4.6	.7	.1														53	53	56	47
32 / 31	1.2	7.8	.1	.5														72	72	59	43
30 / 29	1.6	4.3	1.1	.3														54	54	61	55
28 / 27	.9	3.1	.3															32	32	50	52
26 / 25	.7	5.2	.9															51	51	44	48
24 / 23	.1	1.5																12	12	40	31
22 / 21	2.4	2.3	.3															37	37	28	29
20 / 19	1.3	4.4	.1															44	44	39	41
18 / 17	.7	4.2																36	36	36	29
16 / 15	.3	3.9																31	31	37	49
14 / 13	.9	2.3																24	24	25	32
12 / 11	1.7	.9																20	20	28	32
10 / 9	1.6	2.7																32	32	26	37
8 / 7	1.5	2.0																26	26	30	19
6 / 5	.8	1.2																15	15	18	22
4 / 3	.3	1.9																16	16	15	28
2 / 1	.1	2.4																19	19	14	18
0 / -1	.9	.7																12	12	16	8
-2 / -3	.9	.4																10	10	14	6
-4 / -5	1.2	.3																11	11	11	24
-6 / -7	.9	.1																8	8	9	9
-8 / -9	.7																	5	5	5	7
-10 / -11	.7																	5	5	5	13
-12 / -13																					4
-14 / -15	.3																	2	2	2	9

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

...AL CLIMATOLOGY BRANCH
...FETAC
AI ...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1 /-17																					11
-1 /-19	.1																	1	1	1	3
-2 /-21	.3																	2	2	2	7
-2 /-23																					2
-24/-25																					1
-26/-27																					1
-28/-29																					2
TOTAL	24.5	65.7	6.5	1.9	.8	.7													744		744
																		744		744	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4742605	58801	79.0	11.328	744							
Dry Bulb	482559	16185	21.8	13.251	744	7.0	72.1					93
Wet Bulb	430705	15249	20.5	12.611	744	8.1	76.9					93
Dew Point	344773	11979	16.1	14.298	744	13.4	84.0					93

USAFETAC FORM 0-26-3 (OL A) (JUN 77) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 74-81 MAR
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
[illegible] / 51				.1	.3													3	3		
4[illegible] / 45			.1	.1	.3													4	4	1	
44 / 43				.1														1	1	2	
4[illegible] / 41		.8	.3															8	8	1	
4[illegible] / 39		.9	1.2	.5														20	20	9	
[illegible] / 37	.4	1.9	.4															20	20	17	9
[illegible] / 35	.4	3.8	.4															34	34	36	14
34 / 33	1.9	4.3	.8	.3														54	54	45	31
32 / 31	1.9	7.1	.1	.1														69	69	51	53
[illegible] / 29	1.3	5.4	.8	.3														58	58	64	52
[illegible] / 27	.7	3.9	1.1															42	42	55	42
[illegible] / 25	1.6	3.5	.3															40	40	43	50
24 / 23	.3	2.0	.1															18	18	40	42
22 / 21	1.2	3.0	.4															34	34	25	26
[illegible] / 19	2.4	2.7	.1															39	39	41	34
1 / 17	1.7	3.2																37	37	39	38
1[illegible] / 15	1.1	2.8																29	29	30	46
14 / 13	1.1	2.0																23	23	24	28
12 / 11	2.3	1.5																28	28	30	30
1[illegible] / 9	2.6	1.6																31	31	33	28
[illegible] / 7	2.0	2.3																32	32	29	38
[illegible] / 5	.9	2.4																25	25	31	20
[illegible] / 3	.7	.8																11	11	9	29
[illegible] / 1	.3	1.9																16	16	13	17
[illegible] / -1	.8	.1																7	7	14	10
-[illegible] / -3	.9	.7																12	12	9	17
-[illegible] / -5	.9	.4																10	10	14	10
-[illegible] / -7	2.2																	16	16	16	5
[illegible] / -9	1.3																	10	10	10	14
-1[illegible] / -11	1.1																	8	8	8	7
-1[illegible] / -13	.1																	1	1	1	7
-1[illegible] / -15	.1																	1	1	1	8
-1[illegible] / -17																					14
-1[illegible] / -19																					14

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

...L ...AL CLIMATOLOGY BRANCH
...AFETAC
AT... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-...-21	.4																3	3	3	6
-...-23																				2
-...-29																				2
-...-31																				1
TOTAL	32.7	59.0	6.2	1.6	.5												744		744	744

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4869301	59621	80.1	11.099	744							
Dry Bulb	447445	15257	20.5	13.458	744	8.5	75.0					93
Wet Bulb	404836	14460	19.4	12.908	744	9.5	79.1					93
Dew Point	331266	11328	15.2	14.619	744	14.6	86.3					93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR 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
2/ 51			.3	.1														3	3		
4/ 47																				2	
46/ 45																				1	
44/ 43				.4														3	3		2
42/ 41		.7		.3														7	7		1
40/ 39		.8	1.2		.1													16	16	8	
38/ 37	.1	1.6	.4	.4														19	19	13	7
36/ 35	.5	3.4	.4															32	32	29	9
34/ 33	1.5	4.8	.1	.1														49	49	50	33
32/ 31	1.5	7.7	.3	.7														75	75	47	46
30/ 29	1.1	5.2	.7															52	52	61	50
28/ 27	1.5	4.8	.4															50	50	67	44
26/ 25	.3	4.7	.3															39	39	38	57
24/ 23	.9	1.7	.5															24	24	44	28
22/ 21	1.5	3.2	.3															37	37	34	39
20/ 19	2.4	2.4	.4															39	39	36	39
18/ 17	1.1	3.1																31	31	28	41
16/ 15	2.4	2.7																38	38	42	36
14/ 13	1.2	1.5																20	20	26	37
12/ 11	2.0	.9	.1															23	23	28	25
10/ 9	2.2	.8																22	22	21	24
8/ 7	.7	1.7																18	18	11	40
6/ 5	1.6	3.5																38	38	41	23
4/ 3	.5	1.1																12	12	18	6
2/ 1	.8	1.6																18	18	16	15
0/ -1	1.7	.4																16	16	17	23
-2/ -3	1.3	.4																13	13	13	22
-4/ -5	.1																	1	1	4	12
-6/ -7	1.7																	13	13	13	10
-8/ -9	2.2																	16	16	16	11
-10/-11	1.9																	14	14	14	10
-12/-13	.1																	1	1	1	5
-14/-15	.3																	2	2	2	10
-16/-17																					10

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...AL CLIMATOLOGY BRANCH
...FETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

 0600-0800 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-1 /-19																					16
-2 /-21	.4																	3	3	3	8
-2 /-23																					4
-2 /-25																					1
-2 /-29																					3
TOTAL	33.6	58.9	5.4	2.0	.1														744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4885756	59732	80.3	11.017	744							
Dry Bulb	435623	14861	20.0	13.667	744	9.9	76.9					93
Wet Bulb	395571	14099	19.0	13.145	744	10.4	80.1					93
Dew Point	329914	10990	14.8	15.018	744	18.1	86.5					93

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

2

...RAL CLIMATOLOGY BRANCH
...ETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

PAGE 1 | 0900-1100 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 57				.1														1	1		
5[illegible] / 55				.1	.1			.1										3	3		
[illegible]4 / 53			.1															1	1		
[illegible]2 / 51							.1											1	1	2	
5[illegible] / 49			.3			.1												3	3	1	
[illegible] / 47				.3		.1												3	3	1	2
4[illegible] / 45			.3	.3	.1	.3												7	7	2	1
[illegible]4 / 43		.1	1.3	.5	.4	.3												20	20	4	
[illegible]2 / 41		.1	1.3	.5	.3	.1												18	18	6	3
4[illegible] / 39		.9	1.3	.4	.3													22	22	14	4
[illegible] / 37	.4	2.0	1.9	.3	.3													36	36	32	10
[illegible] / 35	.4	5.2	3.0	.3	.1													67	67	43	17
34 / 33	1.7	2.6	2.3	.5														53	53	81	48
[illegible]2 / 31	.3	5.1	3.0	.4														65	65	42	53
[illegible] / 29	1.5	3.0	1.5	.3														46	46	61	43
[illegible] / 27	.5	3.0	.9															33	33	56	41
[illegible] / 25	.3	4.6	.5	.1														41	41	40	58
[illegible] / 23		3.0	.4															25	25	45	27
[illegible] / 21	.5	3.2	.8															34	34	28	38
[illegible] / 19	.9	3.6	.1															35	35	32	51
[illegible] / 17	.3	3.0	.3															26	26	35	45
[illegible] / 15	.9	3.5	.1															34	34	30	55
[illegible] / 13	.3	2.2																18	18	24	30
[illegible] / 11	.7	1.9																19	19	25	24
[illegible] / 9	1.5	1.7																24	24	23	29
[illegible] / 7	.4	3.0																25	25	15	35
[illegible] / 5	.9	1.6																19	19	35	22
[illegible] / 3	.1	1.3																11	11	11	17
[illegible] / 1	.1	2.2																17	17	12	14
[illegible] / -1	.9	.4																10	10	14	11
[illegible] / -3	.4	.8																9	9	8	13
[illegible] / -5	.7	.1																6	6	10	15
[illegible] / -7	.4																	3	3	3	7
[illegible] / -9	.5																	4	4	4	12

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

L. AL CLIMATOLOGY BRANCH
SAFETAC
AT .EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1- 14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

PAGE 2 | 0900-1100 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1 /-11	.4																	3	3	3	11
-1 /-13	.1																	1	1	1	9
-1 /-15																					3
-1 /-17																					6
-1 /-19	.1																	1	1	1	6
- /-21																					2
- 2/-23																					1
-2 /-27																					1
TOTAL	15.5	58.1	19.5	4.2	1.6	.9	.1	.1											744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4335546	55972	75.2	12.955	744							
Dry Bulb	571656	18156	24.4	13.156	744	4.6	63.6					93
Wet Bulb	488576	16762	22.5	12.219	744	5.5	69.8					93
Dew Point	363557	12913	17.4	13.699	744	12.1	82.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

PAGE 1 | 1200-1400 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
67 / 65										.1								1	1		
64 / 63									.1									1	1		
62 / 61									.1									1	1		
60 / 59					.3		.1	.1										4	4		
58 / 57					.4			.1	.4									7	7		
56 / 55			.1		.5			.3										7	7		
54 / 53				.3	.1	.3	.1											6	6	1	
52 / 51				.4	.1	.1	.4	.1										9	9	4	
50 / 49		.1		.7	.3	.3	.1											11	11	4	1
48 / 47		.1	.3	.7	.7	.1	.1											15	15	7	
46 / 45			.7	.9	.1	.3	.3											17	17	10	2
44 / 43		.3	1.7	.8	.4	.4												27	27	14	5
42 / 41		.3	2.6	.4	.1	.3	.1											28	28	23	7
40 / 39		1.2	2.4	.3	.5	.1												34	34	30	8
38 / 37	.3	3.2	2.0	.9	.4													51	51	43	19
36 / 35	.4	3.4	2.3	.9	.3	.1												55	55	64	28
34 / 33	.4	1.7	2.2	.9	.1	.1												41	41	49	49
32 / 31	.9	4.6	2.2	.8	.1													64	64	48	62
30 / 29		2.3	2.0															32	32	56	35
28 / 27		3.9	.9	.1														37	37	42	39
26 / 25		5.4	1.7															53	53	55	45
24 / 23	.1	1.5	.4															15	15	51	28
22 / 21	.3	4.7	1.1															45	45	28	49
20 / 19	.5	3.8	.1															33	33	36	59
18 / 17	.4	3.6																30	30	41	49
16 / 15		2.0																15	15	22	46
14 / 13	.3	2.8																23	23	14	29
12 / 11		1.5																11	11	22	30
10 / 9	.4	1.6																15	15	14	34
/ 7		1.9																14	14	13	18
/ 5	.3	1.7																15	15	20	10
/ 3		1.3																10	10	10	16
/ 1	.1	.9																8	8	12	11
/ -1	.5																	4	4	6	11

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]AFETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14[illegible]14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-[illegible] / -3		.1																1	1	1	14
-[illegible] / -5	.1	.4																4	4	4	12
-[illegible] / -7																					9
-[illegible] / -9																					7
-[illegible] / -11																					5
-[illegible] / -13																					2
-[illegible] / -15																					1
-[illegible] / -17																					4
TOTAL	5.1	54.4	22.7	8.2	4.6	2.2	1.3	.7	.7	.1								744	744		744
																				744	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3785688	51942	69.8	14.646	744							
Dry Bulb	763355	21791	29.3	12.977	744	1.1	53.6					93
Wet Bulb	612686	19608	26.4	11.362	744	1.4	61.9					93
Dew Point	410540	14874	20.0	12.342	744	8.1	78.1					93

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

2

...AL CLIMATOLOGY BRANCH
USAFETAC
AT... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAR — MONTH

PAGE 1 — 1500-1700 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
...6/ 65										.1								1	1		
...4/ 63									.3	.5								6	6		
...2/ 61										.1								1	1		
...0/ 59							.3		.3									4	4		
...8/ 57				.1	.5	.1		.1	.5									11	11		
5...6/ 55				.5	.1	.3	.5											11	11		
...4/ 53				.3	.4													5	5	1	
...2/ 51			.1	1.3	.3													13	13		
5...0/ 49			.1	.5	.5	.5		.1										14	14	10	1
...8/ 47				1.2	.7	.1	.3	.4										20	20	11	
...6/ 45		.3	1.2	1.1		.7												24	24	22	
...4/ 43		.4	1.3	.1	.4	.3	.4											22	22	17	6
...2/ 41			2.6	.7	.7													29	29	27	11
...0/ 39		1.3	2.4	.1	1.6													41	41	33	18
3...8/ 37	.7	4.7	1.5	1.1	.4	.4												65	65	32	17
...6/ 35	.5	3.4	1.2	1.1	.4	.1												50	50	82	47
34/ 33	.1	1.3	2.6	.4														33	33	49	39
...2/ 31	.7	3.5	2.0	.1														47	47	41	62
...0/ 29	.4	2.4	1.3															31	31	57	37
2...8/ 27	.3	4.7	2.3															54	54	44	29
...6/ 25	.1	4.8	.5															41	41	57	37
2...4/ 23		1.7	.4															16	16	40	39
...2/ 21	.4	6.0	1.7															61	61	33	59
2...0/ 19	.3	3.0	.3															26	26	47	47
1...6/ 17	.5	2.2	.4															23	23	32	49
1...4/ 15	.1	2.2	.1															18	18	17	61
14/ 13		2.6	.1															20	20	19	34
1.../ 11	.1	1.5																12	12	18	23
10/ 9		1.5																11	11	12	23
.../ 7		.8																6	6	11	17
.../ 5		1.6																12	12	7	15
.../ 3		1.2																9	9	17	13
.../ 1	.3	.1																3	3	4	16
.../ -1	.1	.1																2	2	1	5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

L AL CLIMATOLOGY BRANCH
FETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 74-81 | MAR
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-1 / -3		.3																2	2	3	8
-4 / -5																					17
-6 / -7																					9
-8 / -9																					2
-10 / -15																					1
-16 / -17																					2
TOTAL	4.7	51.6	22.3	8.7	6.0	2.6	1.5	.7	1.1	.8									744		744
																		744		744	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3669533	50969	68.5	15.470	744							
Dry Bulb	946250	23196	31.2	12.869	744	.5	49.3					93
Wet Bulb	667585	20741	27.9	10.968	744	.5	57.5					93
Dew Point	438018	15774	21.2	11.807	744	5.5	75.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

 1800-2000 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
[illegible] / 63									.1									1	1		
[illegible] / 61									.1									1	1		
[illegible] / 59							.1											1	1		
5[illegible] / 55				.1	.1	.1	.3	.1										6	6		
[illegible]4 / 53				.3	.3	.1		.1										6	6		
[illegible]2 / 51			.1		.3	.3	.3											7	7		
5[illegible] / 49			.3		.4	.4												8	8	1	
[illegible] / 47			.5	.1	.1	.3		.1										9	9	6	
4[illegible] / 45		.4	1.3	1.1	.4		.1											25	25	7	
44 / 43		.3	.5	.4	.3	.1												12	12	14	1
[illegible]2 / 41		.5	2.7	.3	.3	.1												29	29	21	7
40 / 39	.3	1.1	1.6	.7	.5	.1												32	32	30	11
3[illegible] / 37	.5	3.1	1.5	.7	.1													44	44	40	18
3[illegible] / 35	.7	5.5	2.0	1.1	.4	.1												73	73	48	38
34 / 33	.4	4.3	2.0	.3	.1													53	53	68	46
[illegible]2 / 31	.9	4.8	2.4	.7	.1													67	67	58	61
[illegible] / 29	.8	2.8	.5															31	31	65	54
[illegible] / 27		2.7	.5	.1														25	25	38	40
[illegible] / 25	.4	4.4	.5															40	40	35	40
24 / 23	.4	2.4	.3															23	24	45	30
[illegible]2 / 21	.3	4.7	.4															40	40	29	44
[illegible] / 19		4.2	.7															36	36	34	41
1[illegible] / 17	.4	4.6	.3															39	39	42	38
1[illegible] / 15	.3	3.0																24	24	35	35
14 / 13	.5	2.0																19	19	22	48
1[illegible] / 11	.4	1.2																12	12	18	36
1[illegible] / 9	.1	2.2																17	17	14	23
[illegible] / 7	.3	1.6																14	14	15	27
[illegible] / 5	.1	2.0																16	16	19	14
[illegible] / 3		1.7																13	13	16	15
[illegible] / 1		.9																7	7	5	12
[illegible] / -1	.7	.3																7	7	10	11
[illegible] / -3	.3	.3																4	4	5	12
[illegible] / -5	.1																	1	1	2	12

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-[illegible]14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-[illegible] / -7	.1																	1	1	1	9
- / -9																					5
-[illegible] / -11																					7
-[illegible] / -13																					5
-[illegible] / -17																					3
TOTAL	.1	61.1	18.3	5.8	3.5	1.7	.8	.4	.3										744		743
																		743		743	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4086059	54135	72.9	13.823	743							
Dry Bulb	703061	20875	28.1	12.568	744	1.6	54.6					93
Wet Bulb	582261	19031	25.6	11.304	743	2.3	63.6					93
Dew Point	412098	14846	20.0	12.474	743	8.0	77.9					93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-514 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

PAGE 1 | 2100-2300 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥ / 51					.3		.3											4	4		
5 / 49				.4	.7		.1											9	9		
4 / 47			.1	.3		.1												4	4		
4 / 45			.3			.3												4	4		
44 / 43		.8	.3	.3														10	10	8	
42 / 41		.9	.8	.4														16	16	14	
40 / 39		.9	1.5	.1														19	19	11	7
38 / 37	.5	3.5	1.1	.4														41	41	30	13
36 / 35	.8	4.7	1.5															52	52	48	27
34 / 33	2.0	6.1	1.2		.3													71	71	67	43
32 / 31	.9	8.5	.9	1.1														85	85	59	63
30 / 29	.7	3.1	1.1															36	36	76	45
28 / 27	.3	3.9	.1															32	32	37	70
26 / 25		3.8	.8															34	34	34	47
24 / 23	.3	3.1	.3															27	27	45	23
22 / 21	.1	5.0																38	38	37	31
20 / 19	.4	3.4	.4															31	31	27	38
18 / 17	.7	3.1	.1															29	29	36	33
16 / 15	.3	3.5																28	28	27	37
14 / 13	.5	3.8																32	32	25	39
12 / 11	1.9	2.3																31	31	42	28
10 / 9	1.1	.7																13	13	20	30
8 / 7	.7	1.7																18	18	11	35
6 / 5		1.3																10	10	17	30
4 / 3	.4	2.0																18	18	20	12
2 / 1	.3	2.6																21	21	17	8
0 / -1	1.2	.3																11	11	14	9
-2 / -3		.5																4	4	5	13
-4 / -5	.7																	5	5	6	14
-6 / -7	.8	.1																7	7	7	10
-8 / -9	.3																	2	2	2	12
-10 / -11	.1																	1	1	1	7
-12 / -13																					3
-14 / -15																					5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 74-81 | MAR
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 2100-2300 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-1 / -17																					5
-1 / -19																					1
-2 / -21																					4
-22 / -23																					1
TOTAL	14.9	69.6	10.5	3.0	1.2	.4	.4												743		743
																		743		743	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4590027	57771	77.8	11.499	743							
Dry Bulb	563484	18208	24.5	12.572	743	3.8	64.2					93
Wet Bulb	493465	17019	22.9	11.818	743	4.4	70.7					93
Dew Point	380656	13624	18.3	13.279	743	10.5	81.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1 -14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAR MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
66/ 65										.0								2	2		
64/ 63									.1	.1								8	8		
62/ 61									.0	.0								3	3		
-/ 59					.0		.1	.0	.0									9	9		
5-/ 57				.0	.1	.0		.0	.1									19	19		
56/ 55			.0	.1	.1	.1	.1	.1										27	27		
54/ 53			.0	.1	.1	.1	.0	.0										18	18	2	
52/ 51			.1	.3	.2	.1	.1	.0										43	43	6	
5-/ 49		.0	.1	.2	.3	.2	.0	.0										49	49	16	2
4-/ 47		.0	.1	.3	.2	.2	.1	.1										55	55	27	2
46/ 45		.1	.5	.5	.1	.2	.1											84	84	43	3
44/ 43		.3	.7	.4	.2	.1	.1											97	97	64	14
42/ 41		.6	1.3	.3	.2	.1	.0											145	145	95	29
4-/ 39	.0	1.0	1.5	.3	.4	.0												195	195	148	49
3-/ 37	.4	2.9	1.2	.5	.2	.1												310	310	224	99
3-/ 35	.5	4.2	1.5	.4	.2	.1												406	406	385	198
34/ 33	1.2	3.7	1.5	.3	.1	.0												407	407	465	336
32/ 31	1.0	6.1	1.4	.6	.0													544	544	405	443
30/ 29	.9	3.6	1.1	.1														340	340	501	371
28/ 27	.5	3.7	.8	.0														305	305	389	357
2-/ 25	.4	4.6	.7	.0														339	339	346	382
24/ 23	.3	2.1	.3															160	161	350	248
22/ 21	.8	4.0	.6															326	326	242	315
2-/ 19	1.0	3.4	.3															283	283	292	350
18/ 17	.7	3.4	.1															251	251	289	322
16/ 15	.7	2.9	.0															217	217	240	345
14/ 13	.6	2.4	.0															179	179	179	277
1-/ 11	1.1	1.5	.0															156	156	211	228
1-/ 9	1.2	1.6																165	165	163	226
-/ 7	.7	1.9																153	153	135	229
6/ 5	.6	1.9																150	150	188	153
4/ 3	.3	1.4																100	100	116	136
-/ 1	.3	1.6																109	109	93	111
/ -1	.9	.3																69	69	92	88

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAR — MONTH
PAGE 2
ALL — HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-./ -3	.5	.4																55	55	58	105
-./ -5	.5	.2																38	38	51	116
-./ -7	.8	.0																48	48	49	68
-./ -9	.6																	37	37	37	70
-10/-11	.5																	31	31	31	60
-12/-13	.1																	3	3	3	35
-14/-15	.1																	5	5	5	37
-16/-17																					55
-18/-19	.0																	2	2	2	40
-20/-21	.1																	8	8	8	27
-22/-23																					10
-24/-25																					2
-26/-27																					2
-28/-29																					7
-30/-31																					1
TOTAL	17.4	59.8	13.9	4.4	2.3	1.1	.5	.2	.3	.1									5951		5950
																		5950		5950	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	34964515	448943	75.5	13.540	5950							
Dry Bulb	4813433	148529	25.0	13.636	5951	37.0	509.3					744
Wet Bulb	4075685	136969	23.0	12.454	5950	42.0	559.6					744
Dew Point	3010822	106328	17.9	13.664	5950	90.4	652.5					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | APR MONTH

PAGE 1 0000-0200 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
[illegible] / 69										.1								1	1		
6[illegible] / 67									.1									1	1		
66 / 65					.1					.3								3	3		
[illegible]4 / 63		.4			.3				.1									6	6		
[illegible] / 61					.3			.4										5	5	3	3
[illegible] / 59			.3		.6			.4										9	9		
[illegible] / 57		.3	.4	.4		1.1		.1										17	17	2	
5[illegible] / 55	.1	.3	.1	.1	1.1	.1	.1	.3										17	17	9	5
[illegible]4 / 53	.1	.4	.1	.7	.3	.7	.6											21	21	7	3
[illegible]2 / 51	.1	.3	.3	.7	1.0	.7	.4											25	25	13	8
5[illegible] / 49		1.3	.6	1.1	.4	1.0	.3											33	33	7	5
[illegible] / 47	.1	1.0	.3	1.1	.8	.1												25	25	39	10
4[illegible] / 45	.6	1.5	.4	1.0	1.1	.4												36	36	28	20
44 / 43	.1	2.1	.4	1.5	.6	.1												35	35	43	12
[illegible]2 / 41	1.0	3.8	2.9	1.0	.8													68	68	42	32
4[illegible] / 39	.7	2.4	1.0	1.0	.4													39	39	66	34
3[illegible] / 37	1.1	2.9	1.7	1.1														49	49	59	46
[illegible] / 35	1.0	4.9	1.9	2.4														73	73	49	43
3[illegible] / 33	1.8	6.0	3.2	.4														82	82	79	51
[illegible]2 / 31	1.9	5.0	1.5	.4														64	64	86	67
[illegible] / 29	.3	2.4	1.4															29	29	72	60
2[illegible] / 27	.1	3.3	.3	.3														29	29	29	70
[illegible] / 25	.6	1.8	.4															20	20	38	57
2[illegible] / 23		.4	.1															4	4	15	22
[illegible]2 / 21		.3	.1															3	3	7	46
[illegible] / 19		.6																6	4	2	47
1[illegible] / 17		.1																1	1	4	16
1[illegible] / 15																					6
1[illegible] / 13		.1																1	1		3
1[illegible] / 11	.6																	4	4	5	6
1 / 9	.1	.3																3	3	2	3
[illegible] / 7		.1																1	1	2	5
[illegible] / 5		.1																1	1		
[illegible] / 3		1.0																7	7	7	1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...L AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14 | HECTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 0000-0200
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Poin
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
. / 1		.1																	1	1	2	2
/ -1	.3																		2	2	2	1
-. / -3	.1																		1	1	1	3
-. / -5																						4
-. / -7																						1
-1. / -11																						2
-1. / -13																						1
TOTAL	10.9	43.1	17.5	13.2	7.8	4.3	1.4	1.3	.3	.4										720		720
																			720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4134271	53083	73.7	17.518	720							
Dry Bulb	1168895	27939	38.8	10.857	720	.4	21.9	.3				9...
Wet Bulb	964393	25489	35.4	9.290	720	.4	34.3					9...
Dew Point	734874	21808	30.3	10.168	720	1.5	55.4					9...

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

2

CL[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
AI[illegible]EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
APR — MONTH

PAGE 1

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
[illegible] / 61		.4		.4														6	6	2	
[illegible] / 59						.3	.1	.3										5	5	1	3
[illegible] / 57		.1			.1		.1	.1										4	4	2	
5[illegible] / 55		.1		.3	.3	.1	.1	.3										9	9	2	
[illegible]4 / 53		1.0	.6	.3	.7	.3	.3											22	22	5	4
[illegible]2 / 51	.4	.7	.4	.7	1.3	.4												26	26	9	9
5[illegible] / 49	.1	.7	.4	.6	.3	.3												17	17	14	6
[illegible] / 47		.7	.7	1.1	.4	.3												23	23	17	8
[illegible] / 45		.6	1.3	2.2	.8													33	33	24	9
[illegible]4 / 43	.8	1.5	1.1	.8	.4	.1												35	35	33	18
[illegible]2 / 41	1.0	3.1	1.9	1.4	.4	.4												59	59	38	21
[illegible] / 39	1.3	2.8	1.8	.8	.1													49	49	67	32
3[illegible] / 37	1.3	3.1	1.7	.6	.3													49	49	58	45
[illegible] / 35	.8	3.1	.8	1.3														43	43	43	50
3[illegible] / 33	1.9	4.6	2.2	.8														69	69	75	46
[illegible]2 / 31	2.4	8.5	3.6	.1														105	105	67	87
[illegible] / 29	1.8	4.4	1.8															58	58	97	58
2[illegible] / 27	.6	2.9	.6															29	29	55	67
[illegible] / 25	.4	3.2	.1															27	27	37	66
[illegible]4 / 23	.1	1.8																14	14	32	30
[illegible]2 / 21	.4	.6																7	7	8	28
[illegible] / 19	.1	.7																6	6	6	63
1[illegible] / 17		.4																3	3	4	26
1[illegible] / 15		.3																2	2	4	9
1[illegible] / 13		.1																1	1		9
1[illegible] / 11	.3	.1																3	3	4	3
1[illegible] / 9	.1																	1	1	1	2
[illegible] / 7		.4																3	3	2	6
[illegible] / 5																				1	
[illegible] / 3		.1																1	1		
[illegible] / 1		.7																5	5	6	
[illegible] / -1	.3	.1																3	3	2	3
[illegible] / -3																				1	1
[illegible] / -5	.4																	3	3	3	1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

L AL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | APR MONTH

 0300-0500 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-0 / -7																					3
- / -9																					2
-1 / -11																					1
-1 / -13																					4
TOTAL	14.6	46.8	18.8	11.4	4.9	2.2	.7	.7										720			720
																	720		720		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4455443	55523	77.1	15.546	720							
Dry Bulb	1029267	26183	36.4	10.356	720	.8	33.9					90
Wet Bulb	879258	24264	33.7	9.253	720	.8	41.3					90
Dew Point	693814	21108	29.3	10.213	720	1.9	58.6					90

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

2

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible]14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
APR — 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
[illegible]6/ 65									.3									2	2		
[illegible]2/ 61						.1												1	1		
[illegible]/ 59		.6	.1	.3	.3	.3		.1										12	12	3	1
[illegible]/ 57		.4	.1			.4	.3											9	9	1	2
5[illegible]/ 55		.3		.1	.7	.3	.3											12	12	5	[illegible]
[illegible]4/ 53		.6	.6	.8	.1	.3	.1											18	18	6	3
[illegible]2/ 51	.1	1.3	.6	.6	.6	.4												25	25	12	9
5[illegible]/ 49	.1	.6	.4	.8	.4	.4												20	20	14	9
[illegible]/ 47		1.0	.6	.8	.1	.1												19	19	26	2
4[illegible]/ 45	.1	.7	1.0	1.7	1.3													34	34	20	14
[illegible]4/ 43	.6	1.7	1.4	1.7	.8	.1												45	45	27	17
42/ 41	1.3	2.9	1.7	1.5	.8													59	59	50	30
4[illegible]/ 39	1.3	2.8	1.1	1.0	.3													46	46	63	30
[illegible]/ 37	1.1	4.2	2.8	1.5	.1													70	70	58	49
[illegible]/ 35	1.3	4.6	1.9	.8														62	62	62	53
34/ 33	1.1	4.9	1.8	1.1														64	64	80	49
[illegible]2/ 31	1.8	7.4	2.5	.1														85	85	74	78
[illegible]/ 29	1.1	3.1	1.9															44	44	74	83
2[illegible]/ 27	.3	3.2	.7															30	30	49	59
[illegible]4/ 25	.3	1.5	.1															14	14	36	56
24/ 23	.6	.6	.1															9	9	15	29
[illegible]2/ 21	.3	1.4	.1															13	13	9	37
[illegible]/ 19	.1	.3																3	3	11	40
1[illegible]/ 17		.4																3	3	1	23
1[illegible]/ 15																				3	11
14/ 13	.1	.1																2	2	1	6
1[illegible]/ 11		.1																1	1	1	2
1[illegible]/ 9	.3	.1																3	3	3	5
[illegible]/ 7		.3																2	2	1	1
[illegible]/ 5		.3																2	2	2	3
[illegible]/ 3		.4																3	3	3	
[illegible]/ 1	.1	.3																3	3	5	
[illegible]/ -1	.4																	3	3	3	1
[illegible]/ -3																					4

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...AL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14	HECTOR APT FARGO ND	74-81	APR
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-../ -5	.3																	2	2	2	5
-:/ -7																					3
- / -9																					1
-1../-11																					1
-1./-13																					1
TAL	12.6	45.7	19.6	12.9	5.6	2.5	.7	.1	.3										720		720
																		720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4387138	55062	76.5	15.658	720							
Dry Bulb	1076993	26825	37.3	10.387	720	.6	27.8					90
Wet Bulb	915433	24787	34.4	9.294	720	.6	36.6					90
Dew Point	721443	21575	30.0	10.209	720	2.0	56.1					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1-914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | APR 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
88/ 87														.1				1	1		
86/ 83													.1					1	1		
84/ 79													.1					1	1		
82/ 75									.1		.1							2	2		
80/ 73									.1	.1	.1	.1						4	4		
78/ 71						.1	.1				.1							3	3		
76/ 69					.3			.3	.3	.1	.3							9	9		
74/ 67			.1			.1		.1	.3	.3	.1							8	8		
72/ 65		.1		.1	.1	.1	.4	.6	.6	.3								17	17		
70/ 63				.1	.3	.3	.6	.4	.1									13	13	3	
68/ 61		.3	.1		.1	.6	1.0	.1	.1									17	17	3	2
66/ 59		.3	.3		.1	.7	.3	.3	.4	.1								18	18	7	1
64/ 57		.4	.1	.3	.3	.7	.3	.6										19	19	10	5
62/ 55		.1	.4	.4	.7	.4	1.3	.8										30	30	9	6
60/ 53	.1	.6	.6	1.0	.6	1.0	.7	.3										34	34	21	7
58/ 51		.3	.8	.7	.4	1.3	1.0	.1										33	33	28	6
56/ 49	.1	.6	.8	1.8	1.5	.8	.8											47	47	33	7
54/ 47		.7	1.7	1.0	.7	.7	.1											35	35	34	8
52/ 45	.4	1.1	2.1	1.4	.7	1.0												48	48	40	24
50/ 43	1.1	1.9	2.1	1.4	1.3	.4												59	59	69	31
48/ 41	.4	1.5	1.8	1.4	.6	.6												45	45	68	32
46/ 39	.8	1.7	1.9	.8	1.1													46	46	58	53
44/ 37	.7	3.9	2.5	.7	.3													58	58	69	56
42/ 35	.3	2.6	1.5	1.1	.1													41	41	62	46
40/ 33		3.2	1.1	.4														34	34	51	51
38/ 31	.8	3.1	1.4	.3														40	40	54	92
36/ 29		1.5	1.1	.3														21	21	32	53
34/ 27		.4	.3	.1														6	6	22	44
32/ 25		.4	.4															6	6	14	52
30/ 23		.3	.1															3	3	9	20
28/ 21		.1																1	1	3	30
26/ 19		.1																1	1	1	33
24/ 17		.1	.1															2	2	1	19
22/ 15		.1																1	1	2	10

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...AL CLIMATOLOGY BRANCH
...FETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14...14 | HECTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 0900-1100 (L.S.T.) 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
1../ 13																			1	7
1./ 11	.1	.6															5	5	1	4
1./ 9		.3															2	2	4	1
·/ 7	.1	.4															4	4	4	1
:/ 5	.1	.1															2	2	4	
·/ 3		.4															3	3	2	3
./ 1																			1	6
'/ -1																				3
-·/ -3																				2
-·/ -5																				2
-·/ -9																				1
T TAL	5.3	27.4	21.5	13.3	9.2	8.8	6.5	3.6	2.1	1.0	.8	.1	.3	.1				720		720
																	720		720	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3326104	46700	64.9	20.327	720							
Dry Bulb	1539415	32089	44.6	12.328	720		12.1	3.6	1.1	.4		90
Wet Bulb	1168533	28169	39.1	9.614	720		19.4					90
Dew Point	812102	22994	31.9	10.400	720	1.0	47.9					90

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
APR — MONTH

PAGE 1
1200-1400 — HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
97 / 97																	.1	1	1		
95 / 95																	.1	1	1		
93 / 93																.1		1	1		
91 / 91																.1		1	1		
89 / 87														.1				1	1		
85 / 83														.1				1	1		
83 / 81											.1	.1	.1					3	3		
81 / 79											.1	.1	.1	.1				4	4		
79 / 77								.1	.1	.3	.3	.3	.3					10	10		
76 / 75							.1	.1	.1		.1	.1	.3					7	7		
74 / 73						.1	.1	.1	.1	.3	.1	1.0						14	14		
72 / 71									.3	.3	.6	.3						10	10		
70 / 69					.1	.4	.1	.3	.6	.3	.3							15	15		
68 / 67			.1					.3	.6		.3							9	9		
66 / 65		.1			.1	.3		.8	.1		.4							14	14		
64 / 63		.1	.1	.3	.3	.6	.8	.4	.7	1.0								31	31	8	1
62 / 61		.3		.3	.3	.7	.8	.6	.7	.4	.1							30	30	11	2
60 / 59		.1		.4	.3	1.0	.6	1.3	1.0		.1							34	34	14	2
58 / 57		.4	.4	.3	1.1	1.1	1.0	1.4	.6									45	45	9	4
56 / 55		.6	.3	.4	.7	1.8	.6	1.0	.8									44	44	25	9
54 / 53			.4	.4	1.0	.7	1.7	1.0										37	37	32	5
52 / 51		.4	.7	.6	.8	1.4	.1	.1										30	30	40	9
50 / 49		1.0	1.0	1.5	.8	.4	.8	.1										41	41	38	11
48 / 47		1.3	1.4	1.0	1.3	.4	.3											40	40	43	19
46 / 45		1.3	1.3	1.1	1.0	1.3	.3											44	44	80	24
44 / 43	.8	.8	1.3	.7	.7	1.1												39	39	68	35
42 / 41	.6	2.4	1.3	.6	.3	.3												38	38	63	33
40 / 39	.1	1.4	2.5	1.1	.4													40	40	58	52
38 / 37		.8	1.7	.6	.1													23	23	40	56
36 / 35		2.2	1.1	.4														27	27	49	50
34 / 33	.6	1.8	1.3	.1														27	27	46	45
32 / 31	.4	.8	.8	.8														21	21	32	74
30 / 29		1.0	.4															10	10	15	57
28 / 27		.1	.4															4	4	18	46

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L ...AL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1-...14 | HECTOR APT FARGO ND | 74-81 | APR
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
...25		.6																4	4	7	45
24 / 23		.1																1	1	5	17
...21			.3															2	2	1	36
... / 19		.4	.3															5	5	2	30
18 / 17		.3																2	2	4	16
16 / 15		.4																3	3	3	16
14 / 13		.4																3	3	3	7
12 / 11		.3																2	2	3	3
10 / 9		.1																1	1	2	3
... / 7																				1	2
... / 5																					5
... / 3																					5
... / 1																					1
TOTAL	2.5	19.6	16.9	10.6	9.3	11.5	7.4	7.6	5.7	2.5	2.6	1.9	.8	.4		.3	.3		720		720
																		720		720	

Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2684013	40765	56.6	22.867	720							
Dry Bulb	1943899	36103	50.1	13.631	720		7.3	9.8	5.5	1.5	.4	90
Wet Bulb	1352270	30444	42.3	9.508	720		12.0					90
Dew Point	848184	23560	32.7	10.365	720		45.4					90

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

2

...AL CLIMATOLOGY BRANCH
...ETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
1...C/ 99																	.3	2	2		
...E/ 97																	.1	1	1		
...4/ 93																	.3	2	2		
9.../ 91																	.1	1	1		
...4/ 83											.3	.1	.3	.1				6	6		
...C/ 81										.1	.1	.3		.3				6	6		
...C/ 79										.3	.3	.3	.4	.1				10	10		
7.../ 77								.3	.1		.1	.1	.7	.4				13	13		
...E/ 75								.1			.3	.3	.6					9	9		
74/ 73								.1		.1		.3	.6					8	8		
...C/ 71						.4		.1	.1	.1	.3	.4						11	11		
...C/ 69							.7	.1	.3	.3	.1	.1						12	12		
6.../ 67							.3	.3	1.0	.1	.3							14	14		
...6/ 65		.1	.1			.3	.4	.8	.7	1.3	.7							32	32	1	
...4/ 63		.1	.4		.1	.8	.7	.3	1.7	.6	.6							38	38	9	1
...C/ 61		.3		.4	.3	.4	.6	.6	1.7	.4								33	33	16	
... / 59	.1			.1	.8	.4	.6	1.1	1.1									31	31	13	4
... / 57		1.0		.6	.4	.8	2.2	.6	1.1									48	48	10	4
5.../ 55		.1	.1	.1	.3	2.1	1.0	.4	.3									32	32	26	7
...4/ 53		.1	.3	.6	1.4	.8	1.3	.4										35	35	39	8
...2/ 51	.1	.3	1.9	.4	1.9	2.1	1.0	1.0										63	63	39	6
5.../ 49		.3	1.0	1.1	1.1	.7	.7	.4										38	38	27	14
4.../ 47		.6	.4	1.1	.4	1.1	.1											27	27	76	16
4.../ 45	.4	1.5	.8	.7	.7	.6												34	34	83	29
44/ 43	.4	1.3	1.4	1.3	.4	.7												39	39	71	42
4.../ 41		1.7	1.3	1.7	.8													39	39	60	18
4 / 39		1.3	2.1	.1														25	25	44	42
3.../ 37		.6	1.0	.4														14	14	61	50
...E/ 35		2.2	.8	.4														25	25	39	61
3.../ 33	.4	1.0	1.5	.8														27	27	29	54
...2/ 31		.6	1.1	.6														16	16	17	71
...C/ 29		.4	.7															8	8	19	58
... / 27			.1															1	1	11	46
... / 25			.3															2	2	9	44

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
2[illegible] / 23		.1	.3															3	3	1	25
22 / 21		.6	.1															5	5	5	35
[illegible] / 19		.4	.3															5	5	5	32
18 / 17		.3																2	2	3	13
16 / 15																				4	19
14 / 13		.4																3	3		10
12 / 11																				3	5
[illegible] / 9																					3
[illegible] / 7																					2
[illegible] / 5																					3
[illegible] / 3																					1
[illegible] / 1																					1
TOTAL	1.5	15.1	16.1	10.4	8.8	11.3	9.4	6.7	8.1	3.3	3.1	1.9	2.5	1.0			.8	720		720	720
																		720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2391120	38052	52.9	22.992	720							
Dry Bulb	2116345	37719	52.4	13.971	720		5.6	11.9	7.3	3.4	.6	90
Wet Bulb	1415020	31220	43.4	9.232	720		9.6					90
Dew Point	842671	23525	32.7	10.147	720		45.5					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95																	.1	1	1		
92/ 91																	.1	1	1		
88/ 85															.1			1	1		
84/ 83															.1			1	1		
82/ 81												.1						1	1		
80/ 79										.1		.1	.1	.1				4	4		
78/ 77									.1		.1		.3					4	4		
76/ 75									.1	.1		.1	.4	.1				7	7		
74/ 73							.1			.1	.3	.3	.1					7	7		
72/ 71							.4		.1	.1	.1	.4	.1					10	10		
70/ 69					.1		.1	.1	.3	.4	.4							11	11		
68/ 67					.3	.4	.6	.1	.6	.1	.3							17	17		
66/ 65		.1	.1		.1			.4		1.0	.4							16	16		
64/ 63			.4		.1	.1	.3	.6	.4	.6	.3							20	20	3	
62/ 61		.3	.3	.4	.6	.3	1.1	.4	1.0	.3								33	33	10	4
60/ 59		.3		.6	.7	.7	.1	1.0	.8	.3								32	32	12	
58/ 57		.4		.6	.3	1.1	1.0	.7	.7									34	34	11	4
56/ 55		.3	.1	.6	.6	1.4	.8	.8	.4									36	36	20	8
54/ 53		.4	.6	.7	.3	.8	1.1	.6										32	32	22	7
52/ 51		.7	1.4	.3	1.4	1.3	.1	1.0										44	44	34	4
50/ 49		.1	1.7	1.5	2.4	.7	1.3	.4										58	58	44	20
48/ 47	.4	.6	.4	1.9	.6	.7												33	33	51	16
46/ 45	.6	.8	1.7	1.7	.7	1.0	.4											49	49	61	30
44/ 43	.4	1.1	2.1	1.3	.4	.3												40	40	66	28
42/ 41	.6	1.5	2.6	.4	.7	.1	.1											44	44	84	23
40/ 39	.4	.7	2.6	.8	.8													39	39	54	40
38/ 37	.3	.7	1.4	.7	.3													24	24	55	45
36/ 35		2.4	.7	.4	.1													26	26	48	62
34/ 33	1.0	1.5	1.5	.6														33	33	46	66
32/ 31		1.8	1.0	.4														23	23	21	82
30/ 29		.8	.7	.1														12	12	31	44
28/ 27		.7	.6															9	9	13	38
26/ 25																				11	43
24/ 23																				5	27

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14	HECTOR APT FARGO ND	74-81	APR
STATION	STATION NAME	YEARS	MONTH

PAGE 2 — 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
2/ 21			.3															2	2		38
/ 19		.4																3	3	3	40
1 / 17		.6																4	4	4	7
1 / 15		.3																2	2	2	17
1 / 13		.4																3	3	3	5
1 / 11		.3																2	2	3	9
1 / 9		.3																2	2	2	3
/ 7																				1	3
/ 5																					3
/ 3																					1
/ 1																					3
TOTAL	3.6	17.5	20.1	12.9	10.4	8.9	7.6	6.1	4.6	3.2	1.9	1.1	1.1	.3	.3		.3		720		720
																		720		720	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2801709	41897	58.2	22.491	720		7.8	8.1	3.4	.6	.1	90
Dry Bulb	1846520	35244	49.0	12.990	720		12.4					90
Wet Bulb	1308277	29967	41.6	9.213	720		45.4					90
Dew Point	834094	23356	32.4	10.312	720							

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
APR — MONTH

2100-2300 — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B. Dry Bulb		Wet Bulb	Dew Point
7 - / 77													.1					1	1		
7 / 75												.3						2	2		
7 / 69							.1		.1		.1							3	3		
6 / 67						.3		.1		.3								5	5		
6 / 65		.3			.1		.1	.1	.4									8	8		
64 / 63		.1	.1		.7		.1	.1	.1	.3								12	12	2	
62 / 61			.3			.1	.1	.6	.8									14	14	1	3
6 / 59		.3		.6	.1	.3	.6	.3	.7	.3								22	22	2	
5 / 57	.1	.4	.3	.7		.7	.4	.6										23	23	9	5
5 / 55		.3		1.1	1.0	.1	.7											23	23	11	4
54 / 53		.7	.7	.1	.7	.4	1.1	.3										29	29	13	7
52 / 51	.1	1.0	1.3	.1	1.1	.8	.3	.1										35	35	18	9
5 / 49		.3	1.1	1.0	.7	.6	.3											28	28	35	9
4 / 47	.1	1.9	.6	1.1	1.4	1.1	.3											47	47	28	16
46 / 45	.3	1.4	.6	1.9	.7	1.0												42	42	50	19
44 / 43	.4	2.1	2.6	1.0	1.0	.8												57	57	51	39
42 / 41	.8	2.9	2.2	1.1	1.5													62	62	61	30
4 / 39	1.0	1.5	3.5	.3	1.1	.1												54	54	70	37
3 / 37	.6	3.1	1.4	2.2		.1												53	53	64	41
36 / 35	.6	3.8	1.5	.7	.1													48	48	66	49
34 / 33	1.5	3.2	1.9	.1														49	49	68	66
2 / 31	.6	3.1	1.1	.1														35	35	55	93
3 / 29		1.8	.8	.1														20	20	39	50
2 / 27	.4	1.1	.4															14	14	26	50
26 / 25		1.1	.7															13	13	20	47
24 / 23		.1																1	1	7	20
22 / 21		.1																1	1	4	43
20 / 19		.1																1	1	1	42
1 / 17		.1																1	1	1	13
16 / 15		.1																1	1	2	5
14 / 13		.7																5	5	1	4
1 / 11	.1	.1																2	2	5	6
10 / 9		.1																1	1	1	4
/ 7		.4																3	3	3	3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-14 HECTOR APT FARGO ND 74-81 APR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 5		.6																4	4	4	2
[illegible] / 3		.1																1	1	2	1
[illegible] / 1																					3
[illegible] / -1																					1
[illegible] / -3																					2
[illegible] / -5																					2
TOTAL	.7	33.1	21.1	12.4	10.3	6.5	4.2	2.2	2.2	.8	.1	.3	.1						720		720
																		720		720	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3651904	49236	68.4	19.909	720							
Dry Bulb	1415039	30871	42.9	11.275	720		12.9	1.4	.4			9
Wet Bulb	1110747	27511	38.2	9.101	720		21.4					9
Dew Point	802404	22914	31.8	10.088	720	.6	48.9					9

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
APR — 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
1 [illegible]/ 99																	.0	2	2		
[illegible]/ 97																	.0	2	2		
[illegible]/ 95																	.0	2	2		
[illegible]/ 93																.0	.0	3	3		
[illegible]/ 91																.0	.0	3	3		
8[illegible]/ 87														.0				2	2		
[illegible]/ 85															.0			1	1		
[illegible]/ 83											.0	.0	.1	.0	.0			9	9		
[illegible]/ 81										.0	.0	.1	.0	.0				10	10		
[illegible]/ 79										.1	.1	.1	.1	.1				19	19		
7[illegible]/ 77								.1	.1	.0	.1	.1	.2	.1				28	28		
76/ 75							.0	.0	.1	.0	.1	.1	.2	.0				27	27		
74/ 73						.0	.0	.0	.0	.1	.1	.2	.1					33	33		
[illegible]/ 71						.1	.1	.0	.1	.1	.1	.1	.0					34	34		
[illegible]/ 69					.1	.1	.1	.1	.2	.2	.2	.0						51	51		
6[illegible]/ 67			.0		.0	.1	.1	.1	.3	.1	.1							54	54		
66/ 65		.1	.0	.0	.1	.1	.1	.3	.3	.3	.2							92	92	1	
64/ 63		.1	.1	.1	.2	.2	.3	.2	.4	.3	.1							120	120	25	2
62/ 61		.2	.1	.2	.2	.3	.5	.3	.5	.1	.0							139	139	46	14
[illegible]/ 59	.0	.2	.1	.2	.4	.5	.3	.6	.5	.1	.0							163	163	52	11
[illegible]/ 57	.0	.4	.2	.3	.3	.7	.7	.5	.3									199	199	54	24
56/ 55	.0	.3	.1	.4	.7	.8	.6	.5	.2									203	203	107	42
54/ 53	.0	.5	.5	.6	.6	.6	.9	.3										228	228	145	39
52/ 51	.1	.6	.9	.5	1.0	1.0	.4	.3										281	281	193	60
5[illegible]/ 49	.1	.6	.9	1.2	1.0	.6	.5	.1										282	282	212	81
[illegible]/ 47	.1	1.0	.7	1.1	.7	.6	.1											249	249	314	95
46/ 45	.3	1.1	1.1	1.5	.9	.6	.1											320	320	386	169
44/ 43	.6	1.6	1.5	1.2	.7	.5												349	349	428	222
42/ 41	.7	2.5	2.0	1.1	.7	.2	.0											414	414	466	219
4[illegible]/ 39	.7	1.8	2.1	.7	.5	.0												338	338	480	325
3[illegible]/ 37	.6	2.4	1.8	1.0	.1	.0												340	340	464	388
[illegible]/ 35	.5	3.2	1.3	.9	.1													345	345	418	416
3[illegible]/ 33	1.0	3.3	1.8	.6														385	385	474	428
[illegible]/ 31	1.0	3.8	1.6	.4														389	389	406	664

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...AL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1... 14 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
APR — 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
3 / 29	.4	1.9	1.1	.1														202	202	379	463
2... / 27	.2	1.5	.4	.1														122	122	223	420
2... / 25	.2	1.1	.3															86	86	172	410
2... / 23	.1	.4	.1															35	35	89	190
...2 / 21	.1	.4	.1															34	34	37	293
... / 19	.0	.4	.1															28	28	31	327
1... / 17		.3	.0															18	18	22	133
1... / 15		.2																9	9	20	89
1... / 13	.0	.3																18	18	9	51
1... / 11	.1	.2																19	19	25	38
1... / 9	.1	.2																13	13	15	24
... / 7	.0	.2																13	13	14	23
... / 5	.0	.1																9	9	11	16
... / 3		.3																15	15	14	12
... / 1	.0	.1																9	9	14	16
... / -1	.1	.0																8	8	7	9
-... / -3	.0																	1	1	2	12
-... / -5	.1																	5	5	5	14
-... / -7																					7
-... / -9																					4
-1... / -11																					4
-1... / -13																					6
TOTAL	7.2	31.0	19.0	12.1	8.3	7.0	4.7	3.5	2.9	1.4	1.1	.7	.6	.2	.0	.0	.2	5760	5760	5760	5760

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	27831702	380318	66.0	21.734	5760							
Dry Bulb	12136373	252973	43.9	13.348	5760	1.7	129.1	35.0	17.6	5.9	1.1	720
Wet Bulb	9113931	221851	38.5	9.941	5760	1.7	186.9					720
Dew Point	6289586	180840	31.4	10.308	5760	7.0	403.1					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAY MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 75					.1	.1		.1										3	3		
74 / 73					.3	.1	.1		.1	.1								6	6		
[illegible] / 71				.1	.4		.4	.3	.1									10	10		
[illegible] / 69				.4	.5	1.1	.5	.3	.1									22	22		
[illegible] / 67			.1	.4	.3	.9	.3	.7	.1									21	21	1	
[illegible] / 65			.1	.3	.5	.5	.1		.1	.1								14	14	6	
[illegible] / 63	.1	.5		.8	.9	.4	.5	.7	.3									32	32	11	3
[illegible] / 61	.4	2.2	.5	.8	.5	.1	.5	.1	.4									42	42	19	8
[illegible] / 59		1.3	1.2	1.1	.4		.7	.8	.3									43	43	39	18
[illegible] / 57		2.2	.8	1.2	.8	.5	.5	.5										49	49	39	23
56 / 55	.1	1.5	1.1	1.2	1.5	1.3	1.3	.4										63	63	37	22
[illegible] / 53	.4	1.5	.8	1.2	1.1	1.1	1.1	.5										57	57	59	44
[illegible] / 51	.1	1.3	1.5	.8	1.2	1.1	.5	.1										50	50	31	32
[illegible] / 49	.5	1.2	1.2	2.2	.4	.9	.1											49	49	43	44
[illegible] / 47	.3	.8	.5	1.1	1.3	.5												34	34	50	36
[illegible] / 45		2.2	.7	.9	.8	.4												37	37	68	30
44 / 43	.7	4.2	1.7	.5	.8	.3												61	61	79	52
42 / 41	.1	1.2	1.2	1.2	.4	.3												33	33	55	46
[illegible] / 39	.1	1.1	1.3	1.5	.4													33	33	47	41
[illegible] / 37	.4	1.2	.3	.4	.3													19	19	45	39
[illegible] / 35	.7	2.3	.1	.4	.1													27	27	30	54
34 / 33	.5	1.3	.5		.1													19	19	40	36
[illegible] / 31		.7	.4															8	8	19	60
[illegible] / 29		.1	.1	.3														4	4	11	39
[illegible] / 27			.5	.3														6	6	3	29
[illegible] / 25			.1															1	1	5	28
24 / 23																				5	11
[illegible] / 21			.1															1	1	1	16
[illegible] / 19																				1	14
1 / 17																					8
[illegible] / 15																					3
[illegible] / 13																					2
[illegible] / 11																					3
[illegible] / 9																					1

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...L ...AL CLIMATOLOGY BRANCH
...AFETAC
AI... ...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14...14 | HECTOR APT FARGO ND | 74-81 | MAY
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
...7																					1
...5																					1
TOTAL	4.6	26.7	15.2	17.1	13.3	9.8	6.9	4.6	1.6	.3								744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3666420	50116	67.4	19.777	744							
Dry Bulb	2053431	38323	51.5	10.340	744		2.5	7.8	1.1			93
Wet Bulb	1639018	34260	46.0	9.091	744		5.6	.1				≥3
Dew Point	1274734	29644	39.8	11.224	744		27.0					93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAY MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73				.1														1	1		
72/ 71				.3														2	2		
70/ 69				.4	.4	.3												8	8		
68/ 67				.9	1.1	.3	.1											18	18	2	
66/ 65			.1	.5	.5	.4	.4											15	15	1	1
64/ 63		.1		.8	.5	.4	.4	.1										18	18	5	2
62/ 61	.4	1.7	.1	.8	.8	.4		.1										33	33	15	3
60/ 59		1.3	1.2	1.1		.3	.1											30	30	36	14
58/ 57	.3	1.7	1.6	.5	.3	.4	.3											38	38	27	27
56/ 55		1.5	1.3	.5	.7	.8	.7	.5										45	45	32	19
54/ 53	.3	1.7	1.6	.7	1.1	1.2	.3											51	51	43	38
52/ 51	.4	2.2	.5	.3	1.9	1.3	.4											52	52	33	27
50/ 49	.9	2.6	2.2	1.2	1.3	.9	.4											71	71	50	47
48/ 47	.7	2.0	.4	1.1	.7	.4												39	39	48	45
46/ 45	.4	2.4	.9	1.1	.4	.4												42	42	50	36
44/ 43	.5	3.9	2.0	.7	1.3	.4												66	66	70	47
42/ 41	.5	2.2	.3	.8	.1													29	29	68	30
40/ 39	.3	1.7	2.3	.5	.7													41	41	46	41
38/ 37	.1	1.6	.5	1.1	.4													28	28	39	46
36/ 35	.1	2.4	1.6	.1														32	32	40	34
34/ 33	1.3	1.9	.9	.5														35	35	43	52
32/ 31	.9	1.1	1.1	.1														24	24	42	62
30/ 29		.8	.4															9	9	26	32
28/ 27	.1	.5																5	5	8	41
26/ 25			.4															3	3	8	29
24/ 23		.1	.3															3	3	1	15
22/ 21		.3	.5															6	6	3	18
20/ 19																				5	21
18/ 17																				3	1
16/ 15																					5
14/ 13																					3
12/ 11																					3
10/ 9																					2
8/ 7																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	7.4	33.9	20.4	14.2	12.2	7.9	3.1	.8										744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4194627	54281	73.0	17.761	744							
Dry Bulb	1801876	35790	48.1	10.390	744		6.3	3.6	.1			93
Wet Bulb	1505500	32700	44.0	9.586	744		12.0	.3				93
Dew Point	1230139	29051	39.0	11.354	744		29.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAY 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
78 / 77						.1												1	1		
76 / 75					.1		.1											2	2		
74 / 73					.3		.1											3	3		
72 / 71			.1	.1	.1	.1		.1										5	5		
70 / 69				.5	.4	.4		.3										12	12		
68 / 67		.1	.3	.7	.5	.1	.1	.1										15	15	3	
66 / 65		.1	.8	1.2	.4	.3	.3	.1	.3									26	26	5	2
64 / 63		.4	.4	1.2	.5	.4	.3	.4										27	27	12	4
62 / 61		1.1	.4	1.2	.9	.5	.4	.4										37	37	22	7
60 / 59	.1	1.7	1.1	1.7	.8	.5	.9	.3										54	54	31	20
58 / 57		1.7	2.3	.8	1.5	.7	.5	.3										58	58	37	26
56 / 55		.7	1.2	.9	.9	1.2	.8	.1										44	44	37	31
54 / 53		1.7	2.3	1.3	.7	1.6												57	57	39	27
52 / 51	.1	1.3	1.5	.4	1.6	.9	.7	.1										50	50	48	38
50 / 49	.4	2.0	2.0	1.7	.5	.9	.4											60	60	56	36
48 / 47	.3	2.6	1.1	1.2	.8	.4												47	47	64	47
46 / 45	.7	1.7	1.1	1.7	.5	.3	.1											46	46	68	45
44 / 43	.3	2.7	1.3	1.1	.8	.3												48	48	57	51
42 / 41	.7	1.9	1.2	1.1	.5													40	40	63	42
40 / 39	.1	1.6	1.3		.3	.1												26	26	48	44
38 / 37	.1	1.1	.1	.7	.3													17	17	44	43
36 / 35		2.0	1.3	.3														27	27	27	41
34 / 33	.5	.7	.8	.4														18	18	31	53
32 / 31	.4	.7	.4															11	11	21	58
30 / 29		.3	.8															8	8	14	31
28 / 27		.3																2	2	7	24
26 / 25																				7	27
24 / 23			.1															1	1		9
22 / 21		.1	.1															2	2		13
20 / 19																				3	14
18 / 17																					3
16 / 15																					4
14 / 13																					2
12 / 11																					1

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
LO/ 9																					1
TOTAL	3.8	26.6	22.2	18.4	12.6	9.0	4.8	2.3	.3										744		744
																		744		744	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3865545	52023	69.9	17.514	744							
Dry Bulb	2009167	37943	51.0	9.988	744		3.0	4.8	.8			93
Wet Bulb	1642705	34303	46.1	9.070	744		6.5	.4				93
Dew Point	1319125	30271	40.7	10.852	744		23.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — 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
8/ 87												.1	.1					2	2		
86/ 85								.1		.1					.3			4	4		
84/ 83											.3	.3		.1				5	5		
82/ 81						.1	.1		.3	.1		.3		.1				8	8		
80/ 79						.3	.3	.8	.1		.3		.3					15	15		
78/ 77					.3	.4	.3	.3		.1	.4	.4	.3					18	18		
76/ 75					.1	.8	.4	.7	.5	.3	.3	.3						25	25		
74/ 73				.3	.5	.8	.1	.5	.1	.3	.1	.3						23	23		
72/ 71				.4	.5	.1	1.1	.4	.5	.3	.5	.1						30	30	3	
70/ 69			.3	.8	.5	.9	.5	.9	.8	1.2	.4							48	48	8	
68/ 67		.4	.5	.8	.5	.8	.9	.5	.9	.4	.4							47	47	15	1
66/ 65		.3	.5	1.2	.7	.9	.9	.9	.4	.4								47	47	26	12
64/ 63		.4	.7	1.1	1.1	1.1	1.6	.9	.7	.3								58	58	28	9
62/ 61		.3	.4	.4	1.3	.7	.4	.8	1.1									40	40	27	16
60/ 59		.1	1.2	.8	1.1	.9	.7	.7		.1								42	42	50	30
58/ 57		.5	.8	.9	1.5	.1	1.3	.4	.5									46	46	52	26
56/ 55		.4	.9	.9	.9	.8	1.2	.3	.3									43	43	59	20
54/ 53		.3	.5	1.3	.8	1.3	.5	.1										37	37	53	28
52/ 51		.9	.8	1.2	.7	.5	.4	.3										36	36	76	40
50/ 49	.1	1.6	1.6	1.2	.8	.3	.4	.1										46	46	51	47
48/ 47	.3	1.1	1.3	.5	.5	.4	.1											32	32	64	35
46/ 45		1.6	1.5	.4		.3	.1											29	29	57	65
44/ 43	.1	.5	.1	.9		.3	.1											16	16	65	46
42/ 41	.1	.3	.7	.5		.3												14	14	35	55
40/ 39		.5	.3	.5	.3	.1												13	13	14	54
38/ 37		.4	.3	.4	.1													9	9	21	18
36/ 35		.3	.1	.1														4	4	11	47
34/ 33			.4															3	3	12	42
32/ 31			.5															4	4	10	49
30/ 29																				3	24
28/ 27																				4	16
26/ 25																					25
24/ 23																					6
22/ 21																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

...AL CLIMATOLOGY BRANCH
...AFETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14...14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
...2 / 19																					12
1... / 17																					7
1... / 15																					2
1... / 13																					8
1... / 11																					1
TOTAL	.7	9.9	13.6	14.9	12.4	12.4	11.7	8.9	6.3	3.6	2.7	1.7	.7	.3	.3			744	744	744	744

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2644346	41722	56.1	20.250	744							
Dry Bulb	2769066	44622	60.0	11.177	744		.5	28.1	12.5	3.6		93
Wet Bulb	1997952	38006	51.1	8.719	744		2.1	3.3				93
Dew Point	1430992	31520	42.4	11.345	744		19.1	.1				93

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

GL . AL CLIMATOLOGY BRANCH
USAFETAC
A . WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1 . 14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAY 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
. / 91															.4			3	3		
/ 89														.1	.1	.1		3	3		
. / 87									.1		.4	.1	.3	.4		.4		13	13		
. / 85							.3	.1	.4	.3	.4	.1	.4	.3	.7			22	22		
. / 83							.4	.1	.7	.4	.1		.1	.8				20	20		
. / 81								.3	.4	.3	.5		.7	.3	.1			19	19		
. / 79						.5	.1	.5	.1	.8	.3	.3	.5	.3				26	26		
. / 77						.7	.7	.7	.5	.9	.3		.3	.3				32	32		
. / 75				.1	.5	.8	.5	1.2	1.3	.4	.3	.5	.3					45	45		
. / 73			.1	.4	.3	.4	.4	.9	.8	1.1	.8	.8	.4					48	48	2	
. / 71				.1	.5	.4	.5	.8	.9	.9	.7	.3						39	39	9	
. / 69			.1	.3	.4	.4	1.1	.9	1.1	1.1	1.2	.3						51	51	8	2
. / 67		.4	.3	.3	.4	1.2	1.5	.3	.8	.8	.9							51	51	38	4
. / 65			.1	.4	.8	.8	.1	.9	1.1	.5	.4							39	39	24	8
. / 63		.1	.1	.5	.5	1.1	1.1	.7	.8	.5								41	41	31	16
. / 61			.3	.5	.3	1.6	.5	1.2	.5	.4								40	40	42	15
. / 59			.4	.5	.1	.4	.5	1.5	.3	.3								30	30	53	16
. / 57		.7	.3	1.2	.5	.5	1.2	.7	.3									40	40	73	28
. / 55		.4	.4	.5	.9	1.1	.4	.7	.1									34	34	55	24
. / 53		.7	.3	.7	.5	.4	.5	.5	.3									29	29	57	26
. / 51		.5	.5	.7	.5	.4	.1	.1	.1									23	23	70	40
. / 49		.3	.9	1.2	.1			.1										20	20	55	46
. / 47	.3	.3	.1	.4	.4	.3		.1										14	14	54	35
. / 45	.1	1.2	.7	.8	.4		.5											28	28	59	50
44 / 43		.4	.8	.4	.1		.1											14	14	39	51
. / 41			.1	.3	.3	.1												6	6	22	39
. / 39		.5		.1	.1													6	6	16	43
. / 37			.4	.1														4	4	16	39
. / 35			.3	.1														3	3	3	51
. / 33																				16	31
. / 31			.1															1	1		55
. / 29																				1	21
. / 27																				1	29
. / 25																					26

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]14 | HECTOR APT FARGO ND | 74-81 | MAY
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
24/ 23																				12
22/ 21																				13
[illegible] / 19																				10
18/ 17																				2
16/ 15																				2
14/ 13																				6
12/ 11																				3
10/ 9																				1
TOTAL	.4	5.5	6.5	9.8	7.9	11.2	10.8	12.5	10.8	8.7	6.3	2.4	3.0	2.4	1.3	.5		744	744	744
																		744	744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1915919	34551	46.4	20.472	744							
Dry Bulb	3292976	48678	65.4	12.062	744		.1	46.5	28.9	12.1		93
Wet Bulb	2163557	39605	53.2	8.626	744		.3	7.1	.3			93
Dew Point	1396445	31021	41.7	11.776	744		22.5	.8				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1-4414 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAY MONTH

PAGE 1 | 1500-1700 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 91															.4	.4	.4	9	9		
[illegible] / 89											.1	.1			.1			3	3		
[illegible] / 87									.7	.5	.5	.3	.1	.5		.4		23	23		
[illegible] / 85								.4	.1	.5	.3	.3	.1	.4	.8			22	22		
[illegible] / 83									.1	.3	.7	.7		1.1				21	21		
[illegible] / 81								.4	.4	.7	.4	.3	.1	1.3				27	27		
[illegible] / 79				.1		.3	.5	.5	1.1	1.1	.9	.1	.5	.5				43	43		
7[illegible] / 77				.3	.3		.5	.1	.8	.9	.3	.1	.5					29	29		
76 / 75			.1		.3	.4	.5	.7	1.3	.5	.3	.9	.8	.3				46	46		
[illegible] / 73						.1	.5	.5	.8	1.1	.5	.7	.1					33	33	3	
[illegible] / 71			.1		.7	.4	.5	1.5	.8	.5	.7	.5						43	43	11	2
[illegible] / 69			.1	.5	.9	.7	1.1	1.2	.1	1.7	.5	1.3						62	62	12	2
[illegible] / 67				.7	.4	.9	1.3	1.2	.8	1.3	.4	.5						57	57	24	1
66 / 65			.4		.7	.1	1.5	1.2	1.3	.9	.5							50	50	24	7
[illegible] / 63				.1	.7	1.1	1.2	1.9	.8		.1							44	44	40	9
[illegible] / 61			.1	.3	.7	.5	.1	.9	.7	.1	.3							28	28	65	9
[illegible] / 59			.8	.1	.7	.8	.3	.4	1.2	.1								33	33	39	25
[illegible] / 57		.4	.4	.1		.5	.4	.8	.5									24	24	76	28
56 / 55		.4	.1	.1	.7	.1	.4	.1	.4									18	18	57	26
[illegible] / 53		.1	.3	.7	1.1		.4	.1	.4									23	23	73	23
[illegible] / 51		.4	.4	.5	.7	.1	.4											19	19	59	31
5[illegible] / 49	.4	.3	1.2	.4	.3		.5	.5										27	27	61	49
[illegible] / 47		.9	.8	.4	.4	.3		.3										23	23	50	40
4[illegible] / 45	.4	.5	.1	.3	.1	.1												12	12	50	59
[illegible] / 43		.4	.1	.5	.1	.4												12	12	35	42
[illegible] / 41			.1	.3	.1													4	4	16	49
40 / 39		.4	.5	.1														8	8	17	42
3[illegible] / 37																				13	23
[illegible] / 35																				15	60
34 / 33																				3	27
[illegible] / 31																					50
[illegible] / 29																					19
[illegible] / 27																					31
[illegible] / 25																					26

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 JUN 71

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH

PAGE 2 — 1500-1700 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.	W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Po
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
24 / 23																						1
22 / 21																						1
20 / 19																						1
18 / 17																						
16 / 15																						
14 / 13																						
12 / 11																						
10 / 9																						
TOTAL	.8	3.9	5.9	5.7	8.7	7.0	10.4	12.9	12.5	10.5	6.6	5.9	2.4	4.2	1.3	.8	.4		743		743	74
																		743		743		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1667828	31854	42.9	20.180	743							
Dry Bulb	3481447	50081	67.4	11.941	743			52.3	32.0	16.6		
Wet Bulb	2207996	40032	53.9	8.300	743			6.3	.4			
Dew Point	1362789	30565	41.1	11.920	743		23.7	.6				

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH

PAGE 1
1800-2000 — HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 89															.3	.1	.1	4	4		
8/ 87									.1			.1		.1				3	3		
8/ 85									.5	.3	.3	.1	.3	.1	.1			13	13		
84/ 83								.5	.3			.1	.4	.4	.3			15	15		
2/ 81				.1				.3	.4	.7	.3	.3	.4	.4				21	21		
/ 79				.1			.4	.4	.5	.8	.7	.1	.7	.4				31	31		
7 / 77				.1			.3	.3	.4	1.1		.5	.5	.3				26	26		
76/ 75						.5	.7	.5	1.5	.5	.4	.5	.5					39	39	1	
74/ 73				.7		.5	.7	.7	.5	.7	.5	.5	.3					38	38	2	1
72/ 71			.1	.5	.3	.3	.9	.5	.3	.3	.8	.4						33	33	1	1
7 / 69			.1	.7	.5	.7	.9	.3	.5	.9	.4	.3						40	40	8	1
6 / 67			.4	.5	.1	.4	1.3	.4	.9	.9	.9	.4						48	48	19	
66/ 65			.4	.4	1.3	1.6	1.9	1.1	.8	1.1	.9	.1						72	72	22	1
64/ 63		.1	.4	.7	.9	.9	1.2	1.8	.8	.4								54	54	34	8
62/ 61		.4	.3	.7	.9	.1	1.6	.9	.8	.7								48	48	45	21
6 / 59		.7	.4	.4	.9	1.2	.8	.4	.9	.3								45	45	52	12
5 / 57		.4	.5	.7	.1	.8	.7	.7	.7									34	34	64	35
56/ 55		.5		.8	.4	.5	.5	.7	.1									27	27	56	25
54/ 53			.3	.5	.8	.3	.5	.1	.3									21	21	69	35
52/ 51		.4	.3	.7	.3	.7	.4	.3										22	22	63	26
5 / 49	.4	.3	.3	.4	.1	.1	.3	.3										16	16	67	47
4 / 47		1.1	.9	.3	.4	.3												22	22	54	43
46/ 45	.4	1.3	.8	.4	.3	.3	.4	.1										30	30	49	47
44/ 43		.9	.3	.7	.1	.8												21	21	49	42
4 / 41			.1	.3		.1												4	4	29	51
4 / 39			.9		.1	.1												9	9	11	39
3 / 37		.3	.3															4	4	14	34
36/ 35		.1																1	1	20	51
34/ 33																				9	24
32/ 31																				2	49
/ 29																				1	26
/ 27																					21
/ 25																					27
/ 23																					19

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

...AL CLIMATOLOGY BRANCH
...ETAC
AI ...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14	HECTOR APT FARGO ND	74-81	MAY
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
2/ 21																					10
/ 19																					20
1 / 17																					10
1 / 15																					5
1 / 13																					4
1 / 11																					4
1 / 9																					1
/ 7																					2
TOTAL	.8	6.6	6.9	9.7	7.8	10.4	13.6	10.3	10.5	8.6	5.3	3.6	3.1	1.8	.7	.1	.1	741	741	741	741

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1970573	34813	47.0	21.277	741							
Dry Bulb	3153948	47598	64.2	11.419	741			39.0	23.8	8.9		93
Wet Bulb	2086608	38834	52.4	8.335	741		.4	3.9	.4			93
Dew Point	1341237	30225	40.8	12.102	741		24.9	.4	.1			93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
/ 79							.3	.1				.1	.1					5	5		
7 / 77						.3	.4	.1		.4	.4	.1						13	13		
76 / 75						.5	.1	.4	.3	.1	.3							13	13		
74 / 73					.3	.3	.3	.3	.8	.3								16	16		
72 / 71				.1	.3	.4	.9	.3	.3	.4	.5	.1						25	25		
70 / 69					.5	.5	.7	.4		.3	.3							20	20	1	
68 / 67			.3	.8	.5	.8	.1	.4	.9	.1	.3							32	32	4	
66 / 65		.4	.7	1.4	.7	.8	.7	.1	1.2	.5								48	48	14	
64 / 63		.3	1.2	.5	.3	.7	.1		.4	.1								27	27	13	8
62 / 61		1.2	1.2	.7	1.9	.9		1.1	.7	.3								59	59	32	10
60 / 59		2.0	.7	1.1	1.2	.7	.8	1.4	.5									62	62	48	14
58 / 57		1.2	.8	.9	.8	1.5	1.1	1.1	.7									60	60	55	39
56 / 55	.4	1.2	1.4	.8	1.4	1.2	1.2	.4	.3									61	61	46	38
54 / 53	.1	.3	1.4	.9	1.8	.8	.5	.9										50	50	55	36
52 / 51	.1	.7	.3	1.4	.5	.3	.5	.3										30	30	49	28
50 / 49	.1	.5	1.8	1.4	.7	1.2	.3											44	44	46	30
48 / 47		1.2	.4	.9	.4	.5	.3											28	28	62	46
46 / 45	.1	2.0	1.1	.1	1.1	.7	.1											39	39	80	39
44 / 43	.4	2.2	.7	.9	.7													36	36	54	44
42 / 41		1.5	.3	.4	.3	.4												21	21	55	48
40 / 39	.1	.4	1.2	.3	.4													18	18	41	47
38 / 37		.3	.9	.3		.1												12	12	23	47
36 / 35		.8	.1	.3	.3	.3												13	13	28	44
34 / 33		.3		.1	.1													4	4	14	29
32 / 31		.1		.3														3	3	8	47
30 / 29			.1															1	1	4	26
28 / 27																				3	26
26 / 25																				5	37
24 / 23																					1
22 / 21																					16
20 / 19																					13
18 / 17																					9
16 / 15																					3
14 / 13																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 74-81 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
1 / 11																					4
1 / 9																					1
1 / 5																					3
TOTAL	1.5	16.6	14.5	13.6	14.1	13.0	8.5	7.3	6.1	2.6	1.8	.4	.1						740		740
																		740		740	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2957426	44080	59.6	21.186	740							
Dry Bulb	2431163	41723	56.4	10.321	740		.5	15.6	5.9	.5		93
Wet Bulb	1816496	36104	48.8	8.628	740		2.5	.6				93
Dew Point	1326298	30112	40.7	11.690	740		24.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH
ALL — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
≥ / 91															.1	.1	.1	12	12		
/ 89											.0	.0		.0	.1	.0	.0	10	10		
88/ 87									.1	.1	.1	.1	.1	.1		.1		41	41		
/ 85							.0	.1	.1	.2	.1	.1	.1	.1	.2			61	61		
84/ 83							.1	.1	.1	.1	.1	.1	.1	.3	.0			61	61		
/ 81				.0		.0	.0	.1	.2	.2	.2	.1	.2	.3	.0			75	75		
80/ 79				.0		.1	.2	.3	.2	.3	.3	.1	.3	.2				120	120		
7 / 77				.1	.1	.2	.3	.2	.2	.4	.2	.2	.2	.1				119	119		
76/ 75			.0	.0	.2	.4	.3	.5	.6	.2	.2	.3	.2	.0				173	173	1	
74/ 73			.0	.2	.2	.3	.3	.4	.4	.4	.3	.3	.1					168	168	7	1
72/ 71			.1	.2	.4	.2	.6	.5	.4	.3	.4	.2						187	187	24	3
70/ 69			.1	.5	.5	.6	.6	.5	.3	.7	.4	.2						263	263	37	5
/ 67		.1	.2	.6	.5	.7	.7	.5	.6	.5	.4	.1						289	289	106	6
66/ 65		.1	.4	.7	.7	.7	.7	.6	.7	.5	.2	.0						311	311	122	31
64/ 63	.0	.3	.4	.7	.7	.8	.8	.8	.5	.2	.0							301	301	174	59
62/ 61	.1	.9	.4	.7	.9	.6	.5	.7	.5	.2	.0							327	327	267	89
/ 59	.0	.9	.9	.9	.7	.6	.6	.7	.4	.1								33	339	348	149
/ 57	.0	1.1	.9	.8	.7	.6	.8	.6	.3									349	349	423	232
56/ 55	.1	.8	.8	.7	.9	.9	.8	.4	.2									335	335	379	205
54/ 53	.1	.8	.9	.9	1.0	.8	.5	.3	.1									325	325	448	257
52/ 51	.1	1.0	.7	.7	.9	.7	.4	.2	.0									282	282	429	261
50/ 49	.4	1.1	1.4	1.2	.5	.6	.3	.1										333	333	429	346
48/ 47	.2	1.2	.7	.7	.6	.4	.1	.1										239	239	446	327
46/ 45	.3	1.6	.9	.7	.5	.3	.2	.0										263	263	481	371
44/ 43	.3	1.9	.9	.7	.5	.3	.0											274	274	448	375
42/ 41	.2	.9	.5	.6	.2	.2												151	151	343	360
40/ 39	.1	.8	1.0	.4	.3	.1												154	154	240	351
38/ 37	.1	.6	.4	.4	.1	.0												93	93	215	289
36/ 35	.1	1.0	.5	.2	.1	.0												107	107	174	362
34/ 33	.3	.5	.3	.1	.0													79	79	168	294
32/ 31	.2	.3	.3	.1														51	51	102	430
30/ 29		.2	.2	.0														22	22	60	218
/ 27	.0	.1	.1	.0														13	13	26	217
/ 25			.1															4	4	25	220

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
74-81 — YEARS
MAY — MONTH
PAGE 2
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
24/ 23		.0	.1															4	4	6	97
22/ 21		.1	.1															9	9	4	104
20/ 19																				9	119
18/ 17																				3	44
16/ 15																					27
14/ 13																					33
12/ 11																					22
10/ 9																					10
8/ 7																					6
6/ 5																					4
TOTAL	2.9	16.2	13.1	12.9	11.1	10.1	8.7	7.4	6.0	4.3	2.8	1.8	1.2	1.1	.5	.2	.1	5944	5944	5944	5944

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	22882684	343440	57.8	22.613	5944							
Dry Bulb	20993074	344758	58.0	12.951	5944		12.9	197.6	105.1	41.8		744
Wet Bulb	15059832	293844	49.4	9.475	5944		29.4	21.9	1.0			744
Dew Point	10681759	242409	40.8	11.572	5944		194.1	1.9	.1			744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 73-80 | JUN
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
7 / 77		.1					.1	.1	.1									4	4		
76 / 75		.1	.4		.6	.4	.3	.1										14	14	1	
74 / 73			.1	.3	.7	.3	.6	.6										18	18	4	2
72 / 71		.1	.4	.6	.4	.4	.8	.3	.1									23	23		3
70 / 69		.8	1.1	.1	1.1	1.7	.3	.7										42	42	7	
68 / 67		.7	1.5	.3	.8	1.1	.4	.3										37	37	17	9
66 / 65	.6	1.3	1.9	1.0	1.7	.3	.1	.1										50	50	34	17
64 / 63	.3	1.8	2.4	2.1	1.5	.6	.1											63	63	26	25
62 / 61	.1	1.9	2.9	2.8	1.0	.4	.1											67	67	46	21
60 / 59	.4	2.9	2.1	1.4	1.9	1.0												70	70	76	38
58 / 57		3.5	2.9	1.8	.4	.3												64	64	97	46
56 / 55	1.0	3.1	2.2	1.5	.8													62	62	78	80
54 / 53	1.0	3.3	2.2	.8	.3													55	55	87	74
52 / 51	.6	3.8	3.5	1.1	.1	.1												66	66	69	94
50 / 49		1.3	2.2	.8	.1													32	32	55	65
48 / 47	.1	1.3	1.0	.4	.1													21	21	50	65
46 / 45		1.9	.8															20	20	31	54
44 / 43		.6	.4															7	7	19	47
42 / 41		.4	.1															4	4	17	31
40 / 39		.1																1	1	5	24
38 / 37																				1	16
36 / 35																					4
34 / 33																					2
32 / 31																					3
TOTAL	4.0	29.0	28.3	15.0	11.7	6.5	2.9	2.2	.3									720	720	720	720

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4322949	54829	76.2	14.330	720							
Dry Bulb	2588586	42818	59.5	7.663	720			17.3	4.5			90
Wet Bulb	2211705	39625	55.0	6.561	720			3.6	.6			90
Dew Point	1946021	37063	51.5	7.284	720		.4	1.8	.3			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUN — MONTH

PAGE 1

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75		.1				.3												3	3		
74/ 73		.3	.1	.1	.1		.1											6	6	3	
72/ 71			.4															3	3		3
70/ 69	.1	.8	.6	.3	.1	.3	.1	.1										18	18	4	1
68/ 67	.4	.7	1.0	.3	.8	.4	.6	.1										31	31	13	8
66/ 65	.3	2.8	.7	1.4	1.7	.8	.3											57	57	16	12
64/ 63		1.9	2.9	1.5	.7	1.0	.3											60	60	28	17
62/ 61		1.8	2.6	1.7	1.3	.4												56	56	33	27
60/ 59		2.9	2.8	1.4	.8	.1												58	58	58	27
58/ 57	.8	3.8	3.2	1.5	.6													71	71	69	53
56/ 55	1.5	4.3	2.8	.6	.3	.1												69	69	95	61
54/ 53	1.0	3.6	2.9	1.7	.4													69	69	75	69
52/ 51	1.3	3.5	2.4	.3														53	53	85	78
50/ 49	1.7	3.2	1.7	.4														50	50	63	77
48/ 47		3.3	1.7	.3	.1													39	39	53	67
46/ 45	.6	2.6	1.1	.1														32	32	41	68
44/ 43	.4	1.3	.8															18	18	34	40
42/ 41	.6	2.4	.3															23	23	30	50
40/ 39		.3	.1															3	3	18	30
38/ 37		.1																1	1	1	23
36/ 35																				1	4
34/ 33																					4
32/ 31																					1
TOTAL	8.6	39.7	28.1	11.5	6.9	3.5	1.4	.3											720		720
																		720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4872242	58512	81.3	12.766	720							
Dry Bulb	2338946	40680	56.5	7.508	720			7.6	1.1			90
Wet Bulb	2072584	38322	53.2	6.764	720			2.5	.4			90
Dew Point	1875416	36372	50.5	7.272	720		.1	1.5				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUN — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 81								.1										1	1		
78 / 77					.1		.3											3	3		
76 / 75		.1	.3	.1	.3													6	6		
74 / 73		.1	.6	.4	.1		.1											10	10	2	
72 / 71			.6	.6	1.1	.1	.1											18	18	4	3
70 / 69		.4	1.0	.6	.7	1.4	.1		.1									31	31	7	3
68 / 67	.4	1.3	1.5	1.5	1.1	1.7	.1	.1										56	56	18	13
66 / 65		1.9	2.4	1.8	1.5	.8	.4											64	64	25	13
64 / 63		2.4	2.5	2.1	1.8	1.0	.1											71	71	41	19
62 / 61	.4	4.2	2.4	3.3	2.4	.4	.1											95	95	63	40
60 / 59	.1	2.1	2.9	2.5	1.7	.6												71	71	82	50
58 / 57	.7	3.1	4.2	1.8	.8	.3												78	78	76	69
56 / 55	.7	3.2	2.5	2.1	.6													65	65	98	61
54 / 53	.8	2.1	2.8	1.8														54	54	102	77
52 / 51	.3	2.5	1.4	1.1	.1													39	39	62	84
50 / 49	.1	1.1	1.4	.1	.1													21	21	60	74
48 / 47		1.9	.7															19	19	30	67
46 / 45	.1	1.5	.4															15	15	30	58
44 / 43		.3	.1															3	3	14	36
42 / 41																				5	32
40 / 39																				1	13
38 / 37																					6
36 / 35																					1
34 / 33																					1
TOTAL	3.8	28.2	27.5	19.9	12.5	6.3	1.5	.3	.1									720	720	720	720

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4373604	55332	76.9	12.991	720			15.6	2.5	.1		90
Dry Bulb	2630583	43253	60.1	6.694	720			3.9	.3			90
Wet Bulb	2269795	40193	55.8	6.022	720			2.4				90
Dew Point	2013862	37760	52.4	6.832	720							90

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

...AL CLIMATOLOGY BRANCH
...AFETAC
AI ...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14...14 — STATION
...ECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUN — MONTH

0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-8/ 87									.1	.1	.1							3	3		
86/ 85								.1			.1							2	2		
-4/ 83				.1			.7	.4	.8	.3								17	17		
2/ 81				.3		.1	.3	.4	.4	.4	.1							15	15		
-/ 79				.3		1.5	.4	1.4	1.0	.7	.1	.3						41	41		
7-/ 77		.1	.4	.3	.6	.3	.8	1.1	.3	.4	.1							32	32	1	
7-/ 75			.3	.3	1.4	1.3	1.7	1.4	.7	.4		.1						54	54	4	1
74/ 73		.1	.1	.7	1.4	1.5	1.4	1.1	1.1									54	54	6	5
72/ 71		.3	.6	.7	1.7	1.7	1.4	2.1	.4									63	63	16	3
70/ 69		.4	1.0	1.9	2.1	2.8	2.1	.8	.3									82	82	26	6
68/ 67		.4	.7	1.0	2.6	2.1	1.9	.7	.1									69	69	43	10
66/ 65	.1	1.3	1.0	2.6	2.5	2.4	.7	.1										77	77	59	31
64/ 63		.4	1.5	1.5	1.4	1.8	.3	.1										51	51	90	35
62/ 61	.3	1.9	.8	1.1	1.5	1.3	.4											53	53	80	45
-0/ 59		1.1	2.6	1.0	1.3	.8												49	49	106	54
58/ 57	.1	.8	1.0	.4		.6												21	21	103	72
56/ 55	.1	.6	.3	.8	.7	.1												19	19	79	83
54/ 53		.1	.3	.3	.1													6	6	44	83
52/ 51		.4	.4															<	6	24	51
50/ 49	.1	.3																3	3	25	69
48/ 47		.3																2	2	11	56
46/ 45		.1																1	1	2	54
44/ 43																				1	25
42/ 41																					17
40/ 39																					13
38/ 37																					5
36/ 35																					1
34/ 31																					1
TOTAL	.8	8.8	11.0	13.3	17.2	18.2	12.1	9.9	5.3	2.4	.7	.4						720	720		720
																		720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2931199	44473	61.8	16.005	720							
Dry Bulb	3422571	49353	68.5	7.424	720			54.0	27.3	7.0		90
Wet Bulb	2624900	43280	60.1	5.692	720			12.0	1.4			90
Dew Point	2138811	38899	54.0	7.197	720		.1	3.1	.8			90

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

CL[illegible]AL CLIMATOLOGY BRANCH
USAFETAC
AT[illegible] WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUN — MONTH

1200-1400 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
[illegible] / 95												.1						1	1		
[illegible] / 93											.1							1	1		
[illegible] / 91										.1	.3		.3					5	5		
[illegible] / 89									.4	.1	.3	.1	.3	.1				10	10		
[illegible] / 87									.6	.4	.7	.4	.3					17	17		
[illegible] / 85				.1			.1	.8	1.0	1.3	1.3	.3		.1				36	36		
[illegible] / 83				.3	.3		.4	.1	1.3	1.9	1.3	.6	.3					46	46		
[illegible] / 81			.1	.1	.4	.6	1.0	1.0	.8	1.1	1.3	.1	.1					48	48		
[illegible] / 79				.1	.1	1.0	.6	1.1	1.5	1.8	1.1	.1	.1					55	55	2	
7[illegible] / 77			.1	.3	.6	1.0	1.1	1.7	1.1	1.3	.7							56	56	3	2
76 / 75			.1	.3	.8	1.0	1.5	1.7	2.2	1.4	.6							69	69	3	1
74 / 73				.3		1.4	1.8	1.7	1.5	.6	.4							55	55	17	4
[illegible] / 71			.3	.7	.7	1.5	2.5	1.3	.7	.3								57	57	25	4
[illegible] / 69		.6	1.0	.7	.6	2.5	1.7	1.5	.4	.1								65	65	41	6
6[illegible] / 67	.1	.3	.7	.4	1.3	2.1	1.5	.7	.4									54	54	63	11
[illegible]6 / 65		.6	.8	1.0	.8	.4	1.0	.7	.1									39	39	74	40
[illegible]4 / 63		.6	1.0	.7	.4	1.7	1.0	.4										41	41	83	30
[illegible]2 / 61	.1	.4	.6	1.4	.4	.8	.3											29	29	100	31
[illegible] / 59		.6	.6	.7	.1	.3	.3											18	18	97	55
[illegible] / 57		.7	.1	.4														9	9	84	64
56 / 55		.1																1	1	51	65
[illegible]4 / 53			.1	.3														3	3	42	74
[illegible]2 / 51			.7															5	5	21	78
5[illegible] / 49																				7	66
4[illegible] / 47																				7	41
4[illegible] / 45																					55
[illegible]4 / 43																					36
[illegible]2 / 41																					24
40 / 39																					16
3[illegible] / 37																					11
[illegible] / 35																					6
TOTAL	.3	3.8	6.3	7.8	6.5	14.2	14.7	12.6	12.1	10.4	7.9	1.8	1.4	.3					720		720
																		720		720	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2112951	37109	51.5	16.693	720							
Dry Bulb	3962051	53087	73.7	8.157	720			71.9	49.9	24.4	.3	90
Wet Bulb	2772110	44486	61.8	5.716	720			19.3	3.1	.1		90
Dew Point	2100148	38482	53.4	7.769	720			3.5	.9			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95												.3						2	2		
94/ 93												.1						1	1		
92/ 91									.1	.6	.3	.3	.3	.7				16	16		
90/ 89									.4	.4	.4	.3	.3	.3				15	15		
88/ 87								.1	.6	.6	1.5	.4	.3	.3				27	27		
86/ 85					.3			.6	1.3	1.1	1.0	.6	.1	.4				38	38		
84/ 83				.4	.6	.4	.8	1.8	1.3	.6	1.8	.8	1.0					68	68		
82/ 81					.1		1.0	1.3	.7	1.8	2.4	.3						54	54		
80/ 79					.6	.6	.3	.7	1.7	2.1	.7	.6						48	48		
78/ 77			.1	.1	.3	.4	.7	1.8	2.5	1.7	1.0							62	62	6	
76/ 75				.1	.6	.6	1.5	2.1	1.9	1.0	1.4							66	66	7	5
74/ 73			.1	.1	1.3	.6	1.8	2.6	2.4	.8	.1	.3						73	73	19	3
72/ 71		.1	.1	.3	.1	1.3	2.1	2.1	.8	.1								51	51	27	4
70/ 69		.1	.8	.3	.6	1.0	.8	1.0	.6	.4								40	40	47	6
68/ 67	.1	.3	1.3	.7	.6	.7	1.4	.8	.7	.1								48	48	62	14
66/ 65		.1	.7	1.3	.4	.1	1.0	.8	.4									35	35	63	19
64/ 63		.3		1.9		.1	1.1	.1	.1									27	27	94	42
62/ 61		.4	.6	1.1		.6												19	19	105	45
60/ 59		.7	.7	.4														13	13	103	42
58/ 57		.3	.1	.3														5	5	73	41
56/ 55	.3	.3		.1														5	5	54	72
54/ 53			.1	.3														3	3	31	66
52/ 51		.3	.3															4	4	18	84
50/ 49																				8	64
48/ 47																				3	53
46/ 45																					52
44/ 43																					37
42/ 41																					21
40/ 39																					25
38/ 37																					12
36/ 35																					6
34/ 33																					4
32/ 31																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUN — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	.4	2.9	5.0	7.5	5.3	6.3	12.5	15.4	15.4	11.3	10.6	3.9	1.9	1.7				720	720	720	720

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1867889	34575	48.0	16.991	720							
Dry Bulb	4146383	54307	75.4	8.356	720			76.1	58.8	30.4	.4	9
Wet Bulb	2806271	44761	62.2	5.725	720			21.0	4.0			9
Dew Point	2057474	38044	52.8	8.108	720		.4	4.0	1.0			9

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

2

...L ...AL CLIMATOLOGY BRANCH
...SAFETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

1...14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUN MONTH

 1...-2... HOURS L.S.

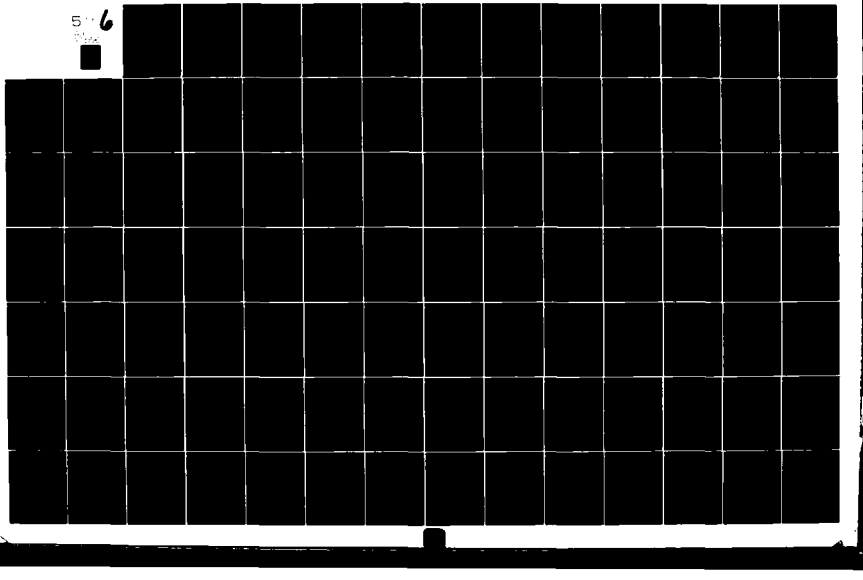
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
...91									.1				.1					2	2		
...89									.1	.4	.1	.1	.3					8	8		
87								.1	.3	.1	.3	.1						7	7		
85							.1	1.0	.4	.4	1.1			.3				24	24		
...83			.1	.4	.3	.3	.4	1.1	.6	.1	.6	.4	.1	.1	.1			34	34		
...81			.3	.1	.1	.4	1.3	.1	1.4	1.3	.6	.3	.1					43	43		
...79				.1	.1	.8	1.4	1.0	1.5	2.1	.8		.3					59	59	1	
77			.1		.8	.8	.6	1.8	1.3	.7	.3	.4						49	49	7	
75		.3	.3	.3	.4	.8	.7	1.8	2.2	.8	.3							57	57	2	
73			.1	.1	.4	1.3	1.4	1.9	2.1	.8	.1	.1						61	61	15	
71			.4	1.7	.7	1.7	1.8	1.9	.8	.4								68	68	29	
...69		.1	1.1	.6	1.1	2.2	1.8	1.1		.3	.1							61	61	32	
...67		1.0	1.3	.8	.6	1.7	1.7	1.3	.7	.1								65	65	45	
...65		.4	.3	1.7	1.7	.4	.6	1.0	.1	.1								45	45	68	
...63			.6	1.8	.6	1.7	.7	.4	.1									42	42	82	
...61		.1	1.0	1.0	.8	.8	.1	.3										30	30	80	
...59		1.4	1.8	1.1	.6	.1	.1											37	37	99	
...57		.1	1.1	.4	.3	.3	.1											17	17	101	
...55	.4		.3		.1													6	6	66	
...53		.1		.3	.1													4	4	49	
51				.1														1	1	27	
...49																				11	
...47																				5	
...45																				1	
...43																					
...41																					
...39																					
...37																					
...35																					
...33																					
31																					
...29																					
TOTAL	.4	3.6	8.8	10.6	8.8	13.3	12.8	14.9	11.8	7.8	4.3	1.5	1.0	.4	.1			720	720		720

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Tot
Rel. Hum.	2300711	38721	53.8	17.426	720							
Dry Bulb	3790763	51925	72.1	8.001	720			67.3	43.0	19.3		
Wet Bulb	2711421	43975	61.1	5.465	720			16.4	3.1			
Dew Point	2076383	38207	53.1	8.415	720		.6	4.0	1.3			

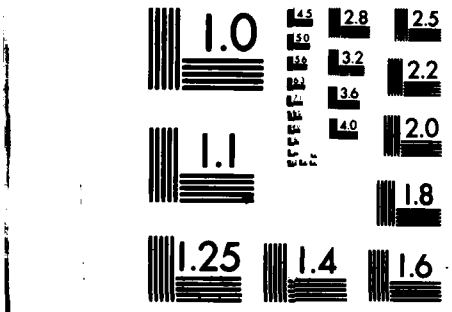
USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A113 156 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
JAN 82

UNCLASSIFIED USAFETAC/DS-82/001 SBI-AD-E850 137 NL



3156



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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUN — 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
[illegible] / 83							.3			.1								3	3		
82 / 81			.1						.1									2	2		
[illegible] / 79			.4			.7		.1	.1	.1								11	11		
78 / 77		.4	.3	.4	.4	.8	.4	.7	.8		.1							32	32	1	1
76 / 75				.4	1.0	.4	.3	1.3	.3	.1	.1							28	28	6	5
74 / 73			.3	.8	1.0	1.1	1.9	.8	.3	.3								47	47	3	2
72 / 71		.3	.1	.8	.4	.6	1.8	.6	.1	.1								35	35	7	1
70 / 69		.3	1.3	1.5	.8	1.8	.4	.6	.3									50	50	16	6
68 / 67		.8	.7	.8	1.8	3.2	.7		.1									59	59	30	8
66 / 65	.1	2.1	3.5	1.8	1.9	1.3	.6	.1										82	82	37	30
64 / 63		1.4	1.7	1.5	2.6	.8	.7											63	63	58	25
62 / 61		1.3	1.8	1.0	2.1	1.0	.3											53	53	78	41
60 / 59		1.0	2.9	1.9	.6	1.0	.1	.1										55	55	85	38
58 / 57		3.3	2.5	1.8	.8	.7												66	66	79	48
56 / 55	.6	1.9	3.1	1.9	.6	.1	.3											61	61	98	74
54 / 53	.1	1.1	1.8	1.5	.6													37	37	74	83
52 / 51		.3	.8	.1	.4													12	12	51	86
50 / 49		.3	1.1	1.1														18	18	41	83
48 / 47			.1	.3														3	3	28	38
46 / 45			.1															1	1	13	54
44 / 43		.3																2	2	12	34
42 / 41																				3	19
40 / 39																					19
38 / 37																					17
36 / 35																					5
30 / 29																					3
TOTAL	.8	14.7	22.6	17.9	15.0	13.5	7.8	4.3	2.2	.8	.3							720	720	720	720

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	3530920	49162	68.3	15.561	720
Dry Bulb	3001567	46153	64.1	7.742	720
Wet Bulb	2424129	41521	57.7	6.426	720
Dew Point	2044516	37966	52.7	7.693	720

Mean No. of Hours with Temperature	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb			33.4	15.4	1.5		90
Wet Bulb			7.9	1.3			90
Dew Point		.4	2.9	1.0			90

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

GL AL CLIMATOLOGY BRANCH
SAFETAC
AI EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND — STATION / STATION NAME
73-80 — YEARS
JUN — 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
96/ 95												.1						3	3		
94/ 93											.0	.0						2	2		
92/ 91									.0	.1	.1	.0	.1	.1				23	23		
90/ 89									.1	.1	.1	.1	.1	.1				33	33		
88/ 87								.0	.2	.2	.3	.1	.1	.0				54	54		
86/ 85				.0	.0		.0	.3	.3	.3	.4	.1	.0	.1				100	100		
84/ 83			.0	.2	.1	.1	.3	.4	.5	.4	.5	.2	.2	.0	.0			168	168		
82/ 81			.1	.1	.1	.1	.4	.4	.4	.6	.5	.1	.0					163	163		
80/ 79			.1	.1	.1	.6	.3	.5	.7	.9	.3	.1	.1					214	214	3	
78/ 77		.1	.1	.1	.3	.4	.5	.9	.8	.5	.3	.1						238	238	18	5
76/ 75		.1	.2	.2	.6	.6	.7	1.0	.9	.5	.3	.0						297	297	23	16
74/ 73		.1	.2	.4	.6	.8	1.1	1.1	.9	.3	.1	.1						324	324	69	20
72/ 71		.1	.4	.7	.6	.9	1.3	1.0	.4	.1								318	318	108	26
70/ 69	.0	.5	1.0	.7	.9	1.7	.9	.7	.2	.1	.0							389	389	180	32
68/ 67	.1	.7	1.1	.7	1.2	1.6	1.0	.5	.3	.0								419	419	291	86
66/ 65	.1	1.3	1.4	1.6	1.5	.8	.6	.4	.1	.0								449	449	376	203
64/ 63	.0	1.1	1.6	1.6	1.1	1.1	.5	.1	.0									418	418	502	226
62/ 61	.1	1.5	1.6	1.7	1.2	.7	.2	.0										402	402	585	295
60/ 59	.1	1.6	2.0	1.3	.9	.5	.1	.0										371	371	706	332
58/ 57	.2	1.9	1.9	1.1	.4	.3	.0											331	331	682	437
56/ 55	.6	1.7	1.4	.9	.4	.1	.0											288	288	619	573
54/ 53	.4	1.3	1.3	.9	.2													231	231	504	597
52/ 51	.3	1.3	1.2	.3	.1	.0												186	186	357	632
50/ 49	.2	.8	.8	.3	.0													124	124	270	563
48/ 47	.0	.9	.4	.1	.0													84	84	187	446
46/ 45	.1	.8	.3	.0														69	69	118	435
44/ 43	.1	.3	.2															30	30	80	293
42/ 41	.1	.3	.1															27	27	55	211
40/ 39		.1	.0															4	4	24	159
38/ 37		.0																1	1	2	106
36/ 35																				1	39
34/ 33																					12
32/ 31																					12
30/ 29																					4

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

CLIMATAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUN MONTH

PAGE 2 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	2.4	16.3	17.2	12.9	10.5	10.2	8.2	7.5	5.9	4.1	3.0	1.0	.5	.3	.0			5760	5760	5760	5760

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	26312465	372713	64.7	19.524	5760							
Dry Bulb	25881450	381576	66.2	10.238	5760			343.1	202.4	82.6	.6	720
Wet Bulb	19892915	336163	58.4	6.896	5760			86.5	14.1	.1		720
Dew Point	16254631	302793	52.6	7.653	5760		2.0	23.1	5.1			720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUL — MONTH
PAGE 1
0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	C.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
87 / 83				.1			.1											2	2		
82 / 81				.3	.3	.3	.3											8	8		
80 / 79			.1		.4	.8	.4	.1	.3									16	16		
78 / 77			.3	.7	.5	.4	.7	.3										21	21	1	
76 / 75		.3	.8	1.1	.7	.9	.3											30	30	4	1
74 / 73	.8	.1	1.9	2.0	.3	.7	.4											46	46	15	11
72 / 71	.5	.7	2.3	1.1	.7	1.7	.3											54	54	33	12
70 / 69		1.2	4.4	1.9	2.4	.7	.3	.3	.1									84	84	36	24
68 / 67		1.1	2.4	1.6	.8	.5	.3		.1									51	51	56	35
66 / 65	.3	1.9	2.6	2.7	1.7	1.1	.3											78	78	63	53
64 / 63	.1	2.0	3.1	2.6	1.3	.4												71	71	74	59
62 / 61		3.1	3.9	3.5	1.1	.1												87	87	73	44
60 / 59		2.2	4.4	2.2	.5	.1												70	70	80	53
58 / 57		1.7	3.1	1.1	.1													45	45	92	91
56 / 55		1.9	3.1	.1	.1													39	39	91	86
54 / 53		.8	1.7															19	19	59	74
52 / 51	.3	.7	.5	.4														14	14	36	60
50 / 49	.4	.1	.1															5	5	19	75
48 / 47		.5																4	4	9	37
46 / 45																				3	17
44 / 43																					3
42 / 41																					7
40 / 39																					2
TOTAL	2.4	18.3	34.8	21.2	11.0	7.8	3.2	.7	.5										744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4440364	56754	76.3	12.225	744							
Dry Bulb	3209828	48586	65.3	7.055	744			39.0	15.4	2.5		93
Wet Bulb	2759501	45073	60.6	6.236	744			18.1	2.5			93
Dew Point	2482334	42662	57.3	6.964	744			10.4	1.5			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

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUL MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
82 / 81				.1		.3												3	3		
80 / 79					.3		.1	.3										5	5		
78 / 77				.1	1.2	.1		.3										13	13		
76 / 75		.3		.8	.4	.4	.4											17	17	1	
74 / 73	.1	.4	.5	.8	.1	.3	.1											18	18	8	3
72 / 71	1.1	.9	1.9	.5	.5	.3												39	39	17	13
70 / 69		1.7	4.3	.8	1.2		.1											61	61	24	11
68 / 67	.4	2.7	3.1	1.6	.4	.3	.1											64	64	55	31
66 / 65	.1	3.2	3.0	1.7	.7	.4		.1										69	69	62	56
64 / 63		2.4	2.6	.8	1.3		.3											55	55	69	49
62 / 61	.4	3.8	3.5	3.6	.7	.1												90	90	63	55
60 / 59	.3	3.5	4.7	2.4														81	81	50	58
58 / 57	.3	4.8	3.4	.9														70	70	98	66
56 / 55	.4	2.8	4.0	.4														57	57	99	85
54 / 53	.3	3.1	2.2															41	41	69	82
52 / 51	.4	2.7	1.1															31	31	60	63
50 / 49		2.0	.3															17	17	37	31
48 / 47	.3	.7																7	7	21	59
46 / 45	.1	.4	.1															5	5	7	15
44 / 43		.1																1	1	3	7
42 / 41																				1	6
40 / 39																					4
TOTAL	4.2	35.6	34.5	14.8	6.9	2.2	1.2	.7										744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5025409	60617	81.5	10.800	744							
Dry Bulb	2930710	46396	62.4	7.099	744			27.5	7.0	1.0		93
Wet Bulb	2607008	43782	58.8	6.415	744			13.1	1.1			93
Dew Point	2403442	41980	56.4	6.837	744			7.3	.4			93

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

USAFETAC CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 85										.1								1	1		
84 / 83							.1	.3	.1									4	4		
[illegible] / 81								.1										1	1		
[illegible] / 79			.1		.3	.3												5	5		
78 / 77			.4	.4	.9	.4	.1	.1										18	18		
76 / 75	.3	.3	1.1	1.1	1.3	.4	.1											34	34	3	2
74 / 73	.3	.3	.8	2.4	.4	.9			.1									39	39	9	4
72 / 71	.4	.4	2.2	1.7	1.7	.5	.5											56	56	23	10
70 / 69		1.5	3.4	1.7	2.2	.8	.5											75	75	43	18
68 / 67	.1	2.4	4.0	2.7	2.3	.7												91	91	67	33
66 / 65	.3	2.3	2.6	3.4	1.5	.5	.1											79	79	63	72
64 / 63	.1	2.6	2.7	4.3	1.7	.7												90	90	83	57
62 / 61	.1	2.6	4.2	3.0	.8	.1												80	80	75	59
[illegible] / 59	.3	2.7	4.0	2.2	.3													70	70	95	65
[illegible] / 57	.1	1.2	2.4	.5														32	32	110	77
56 / 55		2.0	2.4															33	33	70	98
54 / 53	.1	1.1	1.1															17	17	56	78
52 / 51	.3	.8	.1															9	9	28	73
50 / 49		.7	.1															6	6	11	61
48 / 47		.1	.1															2	2	4	21
46 / 45	.1	.1																2	2	2	12
44 / 43																				2	3
42 / 39																					1
TOTAL	2.6	21.0	31.7	23.4	13.4	5.4	1.6	.5	.3	.1									744		744
																		744		744	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4556773	57583	77.4	11.604	744							
Dry Bulb	3205480	48596	65.3	6.493	744			40.5	12.8	.8		93
Wet Bulb	2778378	45264	60.8	5.751	744			18.1	1.5			93
Dew Point	2516651	43011	57.8	6.372	744			8.4	.8			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

10514 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUL MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95													.1					1	1		
94/ 93													.1					1	1		
92/ 91											.1							1	1		
90/ 89											.1	.3						3	3		
88/ 87						.1	.1	.1	.7	.3								10	10		
86/ 85					.3	.7	.4	.7		.4		.1						19	19		
84/ 83				.1	.4	.8	.8	.7	.8	.3	.3							31	31		
82/ 81		.3	.1	.3	1.5	1.3	2.4	1.2	1.3	.3	.4							68	68		
80/ 79	.1		.5	.9	.5	2.0	.8	1.7	.9	.9								64	64	3	3
78/ 77	.1		.5	1.6	2.8	1.9	2.4	1.1	.4	.7	.1							87	87	9	1
76/ 75		.3	.3	2.2	1.2	2.6	2.6	.9	1.1	.1	.1							84	84	14	6
74/ 73		.1	.5	1.6	1.5	3.1	1.7	1.6	.1									77	77	44	12
72/ 71			.9	1.3	1.5	2.7	.9	.9	.1	.1								64	64	58	18
70/ 69		.4	2.2	1.3	1.7	2.7	1.1	.8										76	76	75	33
68/ 67		.5	1.3	.8	2.8	2.3	.8	.1										65	65	80	46
66/ 65	.1	.7	.9	2.7	2.0	.4	.3											53	53	103	71
64/ 63		.4	.8	.9	.5	.3												22	22	102	62
62/ 61		.3	.4	.7	.1													11	11	89	47
60/ 59		.1	.5															5	5	83	79
58/ 57			.3															2	2	55	97
56/ 55																				23	75
54/ 53																				6	61
52/ 51																					46
50/ 49																					44
48/ 47																					24
46/ 45																					7
44/ 43																					8
42/ 41																					2
40/ 39																					1
38/ 37																					1
TOTAL	.4	3.1	9.4	14.5	16.9	20.8	14.4	9.9	5.5	3.1	1.2	.4	.3					744	744	744	744

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2914730	45354	61.0	14.207	744			81.4	55.8	21.5	.3	93
Dry Bulb	4127341	55213	74.2	6.347	744			35.4	8.8	.1		93
Wet Bulb	3164075	48359	65.0	5.292	744			14.9	2.8			93
Dew Point	2644198	44042	59.2	7.064	744							

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

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUL 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
1 / 99														.1	.1			2	2		
8 / 97											.1	.1		.3	.1			5	5		
6 / 95										.1		.3	.1	.1				5	5		
4 / 93									.3	.3	.5	.1	.1					10	10		
2 / 91							.1	.3	.4	.9	.1	.4	.1					18	18		
/ 89							.3	.9	.9	.3	.7	.4	.9					33	33		
8 / 87				.1	.1	.1	.9	1.5	.5	1.2	1.5	.8	.1					52	52		
6 / 85				.1	.8	1.3	1.2	1.3	.9	.9	1.2	1.5	.3					72	72		
4 / 83			.3	.4	.8	1.3	1.3	2.4	1.2	3.1	.8	.9	.1					95	95		
2 / 81				.3	1.3	.7	1.7	1.2	.9	.8	.5	.3						58	58	2	
0 / 79			.1	.3	.8	1.7	1.3	1.9	2.0	1.1	.7	.7						79	79	8	2
7 / 77				.4	.8	1.6	1.6	2.0	2.7	1.2	.3	.1						80	80	21	4
76 / 75			.1	.4	1.2	1.6	1.9	1.1	1.9	.7								66	66	46	8
74 / 73			.1	.9	.4	1.3	1.2	1.3	.4	.3								45	45	62	16
72 / 71			.4	.7	.7	1.3	1.5	1.6	.4									49	49	58	23
70 / 69			.4	1.2	.5	1.1	.7	.9										36	36	75	41
68 / 67			.3	.7	.5	1.1	.7											24	24	92	42
66 / 65		.3	.3	.1	.3		.1											8	8	102	63
64 / 63		.4	.3	.1														6	6	81	60
62 / 61				.1														1	1	79	39
60 / 59																				70	63
58 / 57																				36	76
56 / 55																				12	64
54 / 53																					57
52 / 51																					51
50 / 49																					55
48 / 47																					28
46 / 45																					30
44 / 43																					13
42 / 41																					5
40 / 39																					2
38 / 37																					1
36 / 35																					1

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL		.7	2.3	5.9	8.3	13.3	14.7	16.5	12.6	10.9	6.5	5.6	1.9	.5	.3			744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2012129	37227	50.0	14.181	744							
Dry Bulb	4781550	59422	79.9	6.924	744			91.1	77.5	49.6	2.8	93
Wet Bulb	3330122	49600	66.7	5.619	744			45.5	17.4	.3		93
Dew Point	2604415	43603	58.6	8.122	744			17.0	3.8	.1		93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUL — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
102/101																.1	.3	3	3		
100/ 99												.1			.1	.3		4	4		
98/ 97										.3	.1			.1				4	4		
96/ 95									.1		.8	1.1	.4		.3			20	20		
94/ 93								.1	.4	.5	.3	.4	.4	.3				18	18		
92/ 91								.5	.7	1.2	.4	.5	.1	.3	.1			29	29		
90/ 89					.4		.4	1.3	1.2	.5	.9	1.5	1.6	.3				61	61		
88/ 87					.1	.7	1.1	1.2	.8	.8	1.1	1.5	.7	.1				60	60		
86/ 85					.5	1.6	1.6	.7	1.2	1.1	1.6	.9	.7	.1				75	75		
84/ 83				.4	.3	.9	.7	1.1	.5	1.6	1.2	1.1	.4					61	61		
82/ 81					.3	.5	2.6	2.3	2.3	1.9	1.2	.9	.4					92	92	3	
80/ 79					.8	.9	1.3	1.7	2.3	2.0	.9	.4						78	78	10	3
78/ 77				.3	.4	.7	1.7	.9	1.9	.9	.9							58	58	25	2
76/ 75			.1	.7	1.1	.3	1.1	1.6	1.3	.3								48	48	55	7
74/ 73			.1	.4	.1	.4	1.1	1.2	.9	.1	.3							35	35	54	20
72/ 71			.5	.7	.7	.7	1.5	.3	.4									35	35	51	15
70/ 69		.1	.5	.4	.7	1.1	1.1	.9										36	36	64	42
68/ 67			.5	.4	.3	.3	.5											15	15	113	45
66/ 65		.7	.3															7	7	87	57
64/ 63		.3																2	2	90	49
62/ 61		.4																3	3	99	47
60/ 59																				51	56
58/ 57																				30	55
56/ 55																				12	69
54/ 53																					68
52/ 51																					47
50/ 49																					52
48/ 47																					46
46/ 45																					28
44/ 43																					16
42/ 41																					8
40/ 39																					7
38/ 37																					5

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL		1.5	2.2	3.2	5.6	8.1	14.7	14.0	14.1	11.3	9.8	8.5	4.7	1.2	.5	.4	.3	744	744	744	744

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1784388	34652	46.6	15.147	744							
Dry Bulb	4992124	60696	81.6	7.383	744			91.5	80.8	57.6	6.1	93
Wet Bulb	3353075	49769	66.9	5.664	744			46.9	18.4	.8		93
Dew Point	2545646	43058	57.9	8.503	744			16.8	4.0			93

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

...AL CLIMATOLOGY BRANCH
...AFETAC
...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

1-...14 | HECTOR APT FARGO ND | 73-80 | JUL
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 Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Po...
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
1 2/102																	.1	1	1		
100/ 99																.1		1	1		
...8/ 97											.1			.1				2	2		
...6/ 95										.1								1	1		
...4/ 93									.3		.4	.1	.3					8	8		
...2/ 91								.1	.7	.1	.3		.1	.4				13	13		
...0/ 89							.4	.9	.8	.4	.4	.1	.1					24	24		
...8/ 87				.3	.1	.5	1.1	1.7	.7	.3	.4	.4	.1	.3				44	44		
...6/ 85			.1	.1	.1	1.1	1.6	.8	.5	1.1	.4	.5	.1					49	49		
...4/ 83			.3		.7	1.2	1.5	1.5	1.1	1.3	.8	.5	.4	.1				70	70		
...2/ 81			.1	.3	1.3	1.1	1.1	1.2	2.3	.5	.9	.4	.3					71	71	3	
... / 79			.4	.4	.9	1.2	1.3	2.6	2.2	1.6	.7							84	84	8	
7 / 77				.4	.9	1.5	2.2	1.2	1.9	1.2	.3							71	71	15	
...6/ 75			.1	.9	1.1	1.1	1.6	2.7	1.5	.5	.1							72	72	47	
...4/ 73			.7	.9	.4	1.7	2.0	1.5	1.3	.4								67	67	56	1
72/ 71			.4	.7	.5	1.2	.9	1.1	.3									38	38	43	2
...0/ 69		.4	.7	.4	.7	1.9	1.5	.1	.1									43	43	63	5
6... / 67		.3	1.5	.5	1.3	1.2	1.1	.4										47	47	81	4
...6/ 65		.8	.7	.4	.4	.5	.1											22	22	105	5
...4/ 63	.4	.3	.3		.4	.3												12	12	91	5
...2/ 61		.1			.1													2	2	99	4
...0/ 59		.1																1	1	65	5
... / 57			.1															1	1	43	6
5... / 55																				20	7
...4/ 53																				5	5
...2/ 51																					4
50/ 49																					5
... / 47																					4
...5/ 45																					1
...4/ 43																					1
...2/ 41																					
40/ 39																					
3... / 37																					

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
AI... WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	.4	2.0	5.4	5.4	9.1	14.5	16.4	15.9	13.6	7.7	4.8	2.2	1.5	.9		.1	.1	744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2256977	39301	52.8	15.605	744							
Dry Bulb	4574718	58096	78.1	7.173	744			88.3	72.3	40.6	1.6	93
Wet Bulb	3262905	49081	66.0	5.809	744			39.5	16.1	.6		93
Dew Point	2586789	43431	58.4	8.326	744			18.4	3.5	.3		93

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

2

CL[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
JUL — 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
[illegible]8/ 87							.1											1	1		
[illegible]/ 85						.3	.5	.1	.1									8	8		
[illegible]/ 83			.1	.4	.3	.5	.4	.8	.3									21	21		
[illegible]/ 81			.1	.3	.5	1.5	.8	.1	.3									27	27		
[illegible]/ 79			.1	.5	1.1	.9	.3	.7	.8									33	33	1	
7 / 77		.4	.4	1.9	1.3	[illegible]	.9	.8	.1									49	49	9	1
[illegible]6/ 75		.7	.7	2.6	1.2	1.2	.9	.7										59	59	10	8
74/ 73	.3		1.2	1.9	1.3	2.3	.5	.5										60	60	37	13
[illegible]/ 71		.3	1.6	1.3	2.8	1.7	1.3	.5	.3									74	74	45	12
[illegible]/ 69		.1	2.2	1.6	3.1	1.1	.7	.4										68	68	54	28
[illegible]/ 67		.4	1.7	2.4	2.7	2.2	.7	.3	.1									78	78	47	56
[illegible]6/ 65		1.1	1.9	3.6	2.2	1.5	.1	.1										78	78	76	54
[illegible]4/ 63	.1	1.5	2.4	2.7	2.4	.4	.1											72	72	89	59
[illegible]2/ 61	.1	.7	.9	2.7	1.3	.8												49	49	79	41
[illegible]0/ 59		.5	1.9	1.3	.3	.1												31	31	96	63
[illegible]/ 57		.4	1.1	.8	.1													18	18	78	82
56/ 55		.4	.4	.4														9	9	65	89
[illegible]4/ 53	.1	.3	.4															6	6	34	65
[illegible]2/ 51	.1	.1	.1															3	3	17	62
50/ 49																				6	50
4[illegible]/ 47																				1	34
4[illegible]/ 45																					10
[illegible]4/ 43																					11
42/ 41																					5
4[illegible]/ 39																					1
TOTAL	.8	6.9	17.3	24.5	20.7	15.2	7.5	5.1	2.0										744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3579843	50687	68.1	13.056	744							
Dry Bulb	3651167	51851	69.7	7.110	744			59.8	32.3	9.0		9[illegible]
Wet Bulb	2961464	46714	62.8	6.183	744			25.4	7.1	.1		9[illegible]
Dew Point	2565691	43351	58.3	7.313	744			14.8	2.8			9[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | JUL 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
1 2/101																.0	.1	4	4		
100/ 99												.0		.0	.0	.1		7	7		
[illegible]/ 97										.0	.1	.0		.1	.0			11	11		
6/ 95									.0	.0	.1	.2	.1	.0	.0			27	27		
4/ 93								.0	.1	.1	.2	.1	.1	.0				37	37		
2/ 91							.0	.1	.2	.3	.1	.1	.1	.1	.0			61	61		
2/ 89					.1		.1	.4	.4	.2	.3	.3	.3	.0				121	121		
8/ 87				.1	.1	.2	.4	.6	.3	.3	.4	.3	.1	.1				167	167		
6/ 85			.0	.0	.2	.6	.7	.5	.4	.5	.4	.4	.1	.0				224	224		
4/ 83			.1	.2	.3	.6	.6	.8	.5	.8	.4	.3	.1	.0				284	284		
2/ 81		.0	.1	.2	.7	.7	1.1	.8	.9	.4	.4	.2	.1					328	328	8	
0/ 79	.0		.2	.3	.6	1.0	.7	1.1	1.1	.7	.3	.1						364	364	30	11
78/ 77	.0	.1	.2	.7	1.1	.9	1.2	.8	.9	.5	.2	.0						397	397	80	13
76/ 75	.0	.2	.4	1.2	1.0	1.1	1.1	.9	.7	.2	.0							410	410	180	36
74/ 73	.2	.1	.7	1.4	.6	1.3	.9	.8	.4	.1	.0							387	387	285	95
72/ 71	.3	.3	1.3	1.0	1.1	1.3	.9	.6	.2	.0								409	409	328	126
70/ 69		.7	2.3	1.2	1.6	1.2	.7	.4	.0									479	479	434	247
68/ 67	.1	.9	1.9	1.3	1.4	1.1	.5	.1	.0									435	435	591	334
66/ 65	.1	1.4	1.5	1.8	1.1	.6	.1	.0										394	394	661	476
64/ 63	.1	1.2	1.5	1.4	1.0	.3	.1											330	330	679	449
62/ 61	.1	1.4	1.6	1.7	.5	.2												323	323	656	378
60/ 59	.1	1.1	1.9	1.0	.1	.0												258	258	590	496
58/ 57	.1	1.0	1.3	.4	.0													168	168	542	605
56/ 55	.1	.9	1.2	.1	.0													138	138	392	643
54/ 53	.1	.7	.7															83	83	229	539
52/ 51	.1	.5	.2	.1														57	57	141	448
50/ 49	.1	.4	.1															28	28	73	476
48/ 47	.0	.2	.0															13	13	35	293
46/ 45	.0	.1	.0															7	7	12	136
44/ 43		.0																1	1	5	75
42/ 41																				1	40
40/ 39																					26
38/ 37																					9
36/ 35																					1

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 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	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.3	11.1	17.2	14.1	11.5	10.9	9.2	7.9	6.1	4.1	2.8	2.1	1.0	.3	.1	.1	.1	5952	5952		5952
																		5952		5952	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	26570613	382175	64.2	18.476	5952							
Dry Bulb	31472918	428856	72.1	9.811	5952			519.0	353.6	182.6	10.8	744
Wet Bulb	24216528	377642	63.4	6.558	5952			242.0	72.9	1.9		744
Dew Point	20349166	345138	58.0	7.511	5952			107.8	19.4	.4		744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | AUG 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
[illegible] / 89										.1								1	1		
[illegible] / 85									.3									2	2		
[illegible] / 83								.1	.3	.1								4	4		
[illegible] / 81							.1	.1	.3									4	4		
[illegible] / 79					.3	.4	.1		.5									10	10		
7[illegible] / 77				.4	.1	.1	.1	.4										9	9		
7[illegible] / 75			.4	1.2	.3	.3	.7	.1										22	22		
74 / 73		.3	.1	.4		.4	.3											11	11	1	
72 / 71		.1	1.3	1.2	.4	.3	.3	.1										28	28	14	3
70 / 69		.8	2.7	.9	1.2	.1	.5	.1										48	48	20	10
68 / 67	.3	.4	3.0	2.7	1.1	.7	.1	.3										63	63	27	22
66 / 65	.3	1.9	3.1	3.4	.5	.5	.4											75	75	58	19
64 / 63	.1	3.9	2.4	2.0	.8	1.2	.3											80	80	64	45
62 / 61		3.4	4.3	1.1	1.5	.4	.3											81	81	77	55
60 / 59	.1	2.6	2.0	3.5	.8	.4	.1											71	71	82	63
58 / 57	.3	2.2	3.8	1.3	.7	.1												62	62	77	96
56 / 55		2.3	1.6	2.3	1.1	.1												55	55	75	74
54 / 53		2.6	2.6	1.9	.4													55	55	75	55
52 / 51		1.2	1.5	.1														21	21	53	54
50 / 49	.1	1.6	1.5															24	24	56	71
48 / 47	.1	1.1	.3															11	11	40	49
46 / 45		.4	.4															6	6	21	61
44 / 43			.1															1	1	2	31
42 / 41																				2	19
40 / 39																					8
38 / 37																					6
36 / 35																					3
TOTAL	1.3	24.6	31.0	22.4	9.1	5.1	3.4	1.3	1.3	.3									744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4422689	56517	76.0	13.199	744							
Dry Bulb	2930927	46361	62.3	7.521	744			25.3	7.9	1.9		93
Wet Bulb	2505824	42910	57.7	6.459	744			7.8	.1			93
Dew Point	2228073	40355	54.2	7.263	744			4.4				93

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

AL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
AUG — MONTH

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
86/ 85									.1									1	1		
84/ 83									.3									2	2		
82/ 79									.1									1	1		
78/ 77			.1	.1		.3		.1										5	5		
76/ 75			.4	.5	.3	.3		.4										14	14		
74/ 73		.1	1.2	.5	.3	.3												18	18	3	1
72/ 71		.1	.9	.1	.3	.1	.1											13	13	4	2
70/ 69	.1	1.2	1.3	.4	.3	.4	.7											33	33	20	9
68/ 67	.3	.3	2.7	1.3	.7	.4	.1											43	43	29	21
66/ 65	.4	2.6	3.1	1.3	.8		.4											64	64	27	18
64/ 63	.3	3.0	4.8	1.3	.4	.3												75	75	54	37
62/ 61	.4	3.6	2.8	.7	1.5	.3												69	69	60	43
60/ 59	.5	5.0	3.1	.9	.8													77	77	94	57
58/ 57	.5	4.7	2.6	1.3	.4													71	71	82	90
56/ 55	.1	3.8	4.0	1.1	.9													74	74	67	79
54/ 53	.3	3.2	1.7	1.3	.7													54	54	76	62
52/ 51		1.7	2.6	.5														36	36	64	49
50/ 49		1.7	2.0															28	28	36	75
48/ 47		3.0	.5															26	26	56	52
46/ 45	.4	2.8	.4															27	27	43	56
44/ 43	.1	1.1	.1															10	10	20	42
42/ 41		.4																3	3	7	29
40/ 39																				2	12
38/ 37																					10
TOTAL	3.5	38.3	34.5	11.7	7.3	2.3	1.3	.5	.5									744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4975786	60222	80.9	11.671	744							
Dry Bulb	2688719	44363	59.6	7.648	744			16.3	5.1	.4		93
Wet Bulb	2380676	41772	56.1	6.901	744			7.0	.4			93
Dew Point	2171571	39815	53.5	7.418	744			4.1	.1			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 85									.1									1	1		
4 / 83									.3									2	2		
[illegible] / 81				.1														1	1		
[illegible] / 79						.1												1	1		
7[illegible] / 77			.1	.1		.1												3	3		
76 / 75		.1	.3	.4	.4	.1		.4										13	13	1	
74 / 73			1.3	.1	.1			.1										13	13	2	2
72 / 71		.5	.9	.9	.7	.3		.3										27	27	9	1
70 / 69	.4	.4	1.9	1.3	.4	.7	.1											39	39	17	13
68 / 67		1.6	2.0	1.6	.7	.9												51	51	23	17
66 / 65	.1	3.4	3.8	2.3	.3	.5												77	77	38	15
64 / 63	.5	3.8	3.5	2.2	.9	.4												84	84	67	52
62 / 61	.1	3.6	3.0	2.0	1.3	.3												77	77	79	40
60 / 59	.1	4.7	4.6	1.9	.7													89	89	81	75
58 / 57	.5	3.4	4.2	1.6	.1	.1												74	74	94	85
56 / 55	.5	3.2	2.8	1.2	.5													62	62	98	83
54 / 53	.1	3.0	1.7	.9	.1													44	44	75	76
52 / 51	.1	1.7	1.5	.3														27	27	59	57
50 / 49	.1	1.2	2.0	.1														26	26	34	81
48 / 47	.1	1.6	.3															15	15	34	51
46 / 45	.1	1.2	.1															11	11	26	40
44 / 43	.1	.5	.1															6	6	11	28
42 / 41		.1																1	1	5	13
40 / 39																				1	11
38 / 37																					4
TOTAL	3.2	34.1	34.1	17.2	6.3	3.6	.1	.8	.4										744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4873298	59622	80.1	11.329	744							
Dry Bulb	2794856	45298	60.9	7.049	744			18.9	4.3	.6		93
Wet Bulb	2465994	42570	57.2	6.379	744			6.5	.4			93
Dew Point	2244557	40545	54.5	6.865	744			4.1	.3			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible]14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]6 / 95													.1					1	1		
[illegible]4 / 93												.1						1	1		
[illegible]2 / 91													.1					1	1		
[illegible] / 89											.3	.1	.1					4	4		
[illegible]8 / 87									.1	.4	.1			.1				6	6		
[illegible]6 / 85						.3	.4	.7			.1		.1					12	12		
[illegible]4 / 83					.1	.3	.1	.5		.3	.4	.1	.1					15	15		
[illegible] / 81				.1		.5	.4	.4	.9	.1								19	19		
[illegible] / 79				.8	.7	1.1	.8	.4	.3	.5								34	34		
7 / 77			.1	.7	.8	.8	1.3	.9	.5	.3	.1							42	42		
[illegible]6 / 75			.4	.9	1.1	1.7	.9	.9	.3	.3								49	49	5	
[illegible]4 / 73			.7	1.3	1.5	2.3	1.9	.9	.1									65	65	18	1
[illegible] / 71	.1	.4	2.2	1.9	2.2	1.3	1.5	.8	.5									81	81	31	6
[illegible] / 69		.7	2.2	2.2	3.4	1.6	1.1	.3	.3									86	86	44	22
[illegible] / 67		.4	1.5	1.9	1.9	1.2	.8	.9										64	64	67	34
[illegible]6 / 65	.1	1.3	1.6	2.6	1.6	2.4	1.2	.4										84	84	82	35
[illegible]4 / 63	.4	1.3	1.3	1.6	1.2	1.2	.3											55	55	100	61
[illegible] / 61		.4	1.7	2.2	1.2	1.5	.3											54	54	95	68
[illegible] / 59	.1	.7	1.6	1.1	1.1													34	34	81	73
[illegible] / [illegible]7	.3	.3	.9	.4	.1	.1												16	16	68	69
5[illegible] / 55	.3	.3	.3	.3	.5													12	12	69	85
[illegible]4 / 53		.1	.5	.4														8	8	46	64
[illegible]2 / 51			.1															1	1	23	54
[illegible]0 / 49																				9	53
[illegible] / 47																				6	32
[illegible]6 / 45																					37
[illegible]4 / 43																					29
[illegible]2 / 41																					13
[illegible] / [illegible]9																					6
3 / 37																					2
TOTAL	1.3	5.9	15.2	18.3	17.3	16.4	11.0	7.3	3.1	1.9	1.1	.4	.7	.1				744	744		744
																		744		744	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3234381	47669	64.1	15.572	744							
Dry Bulb	3664720	51926	69.8	7.396	744			60.0	31.1	9.4	.3	93
Wet Bulb	2864534	45966	61.8	5.760	744			20.6	2.9			93
Dew Point	2396448	41876	56.3	7.288	744			7.9	.1			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1-214 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | AUG MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101															.1	.4		4	4		
100/ 99														.1		.1		2	2		
98/ 97														.1	.3			3	3		
96/ 95													.1	.3		.1		4	4		
94/ 93									.1	.1			.1		.5			7	7		
92/ 91								.5	.3	.1		.3	.1	.1	.1			12	12		
90/ 89								.3	.4	.4	.4	.3	.1	.3	.1			17	17		
88/ 87						.1	.5	1.1	.4	.5	.9		.1	.4				31	31		
86/ 85					.1	.3	.4	.8	1.1	1.1	.5		.4					35	35		
84/ 83					.4	.1	.7	.9	1.3	.9	.1	.4						37	37		
82/ 81				.3	.8	.8	.9	1.1	.8	.5	.8	.1	.1					47	47		
80/ 79				.4	.7	1.2	.9	2.0	1.3	1.7	.5	.1	.1					68	68	1	
78/ 77				.5	1.1	1.2	2.6	2.7	1.6	.4	.9	.1						83	83	10	
76/ 75				1.2	1.2	1.7	1.7	1.6	1.5	1.3	.1							78	78	20	2
74/ 73		.1	.1	.9	.8	1.5	1.7	1.2	1.3	.5								62	62	33	6
72/ 71		.3	.4	.5	1.5	1.1	1.3	1.1	.5	.1								51	51	41	16
70/ 69			.9	.3	.8	.9	1.5	1.6	.5									49	49	60	22
68/ 67			1.1	.5	1.2	.5	1.3	1.2										44	44	83	30
66/ 65	.3	.5	.4	.7	.4	.4	.9	.5										31	31	89	45
64/ 63	.5	.8	.1	1.1	.4	.7	.3											29	29	92	39
62/ 61		.5	.4	.7	.8	.5	.4											25	25	90	58
60/ 59		.4	.5	.4		.3	.1											13	13	63	65
58/ 57		.3	.1		.1	.1												5	5	65	75
56/ 55		.5	.1	.1	.1													7	7	48	83
54/ 53																				32	52
52/ 51																				10	37
50/ 49																				5	55
48/ 47																				2	27
46/ 45																					43
44/ 43																					44
42/ 41																					23
40/ 39																					13
38/ 37																					4
36/ 35																					2

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
AUG — MONTH

1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
33 / 33																					1
TOTAL	.8	3.5	4.3	7.7	10.5	11.6	15.5	16.7	11.3	7.9	4.4	1.3	1.3	1.3	1.2	.7			744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2262849	39061	52.5	16.895	744							
Dry Bulb	4319864	56336	75.7	8.531	744			79.3	61.3	29.8	2.5	93
Wet Bulb	3048322	47410	63.7	6.051	744			31.0	8.0			93
Dew Point	2364201	41479	55.8	8.341	744			9.8	1.0			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

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
AUG — MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
1 [illegible]/105																	.3	2	2		
104/103																	.5	4	4		
10[illegible]/101																.1		1	1		
1 0/ 99																.3		2	2		
98/ 97																.1		1	1		
96/ 95										.5	.1	.1	.1	.7	.3	.1		15	15		
94/ 93									.3	.8	.3	.1		.1		.3		14	14		
92/ 91									.4	.1	.1	.1	.4	.3				11	11		
90/ 89						.3		.1	1.1	.8		.4		.3	.4			25	25		
88/ 87						.1	.1	.4	.1	1.3	1.7	.5	.1	.4	.1			38	38		
86/ 85						1.1	.3	1.2	.9	1.1	.1	.3		.1				38	38		
84/ 83					.4	.8	.4	1.3	1.2	.7	.3	.4	.5					45	45		
82/ 81				.1		.5	.8	1.3	1.6	.5	1.5		.1					49	49		
80/ 79					.3	1.5	1.2	2.2	2.4	2.4	1.3	1.3	.3	.1				97	97	2	
78/ 77				.3	.3	.5	2.3	1.5	1.9	1.1	.4	.3						63	63	9	
76/ 75			.3	.3	.9	1.2	1.5	2.6	2.7	1.1	.1							79	79	26	2
74/ 73				1.2	1.1	.7	1.5	1.5	1.5	.1								56	56	30	6
72/ 71		.3	.5	.8	.1	.7	1.2	1.1	2.0	.4								53	53	43	10
70/ 69	.1	.4	.8	.5	.3	.1	.7	1.2	1.1									39	39	60	27
68/ 67	.1		.8		.8	.3	.4	.5	.5									26	26	92	28
66/ 65		.3	.7	1.1	.9		.9	.4										32	32	88	44
64/ 63	.4	.3	.7	.7	.3	.3	.1	.3										22	22	7[illegible]	35
62/ 61		.1	.1	.7		.4	.3	.1										13	13	100	65
60/ 59		.4	.3	.5			.7											14	14	81	52
58/ 57		.3	.1	.1														4	4	55	56
56/ 55			.1															1	1	43	64
54/ 53																				30	71
52/ 51																				5	55
50/ 49																				3	54
48/ 47																				5	38
46/ 45																					34
44/ 43																					33
42/ 41																					26
40/ 39																					29

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
AUG — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
36 / 37																					6
34 / 35																					6
32 / 33																					2
30 / 31																					1
TOTAL	.7	2.0	4.4	6.3	5.4	8.5	12.4	15.7	17.7	11.0	6.0	3.6	1.6	2.0	.8	.9	.8	744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1950320	35982	48.4	16.817	744							
Dry Bulb	4528053	57681	77.5	8.693	744			82.3	67.5	37.3	4.9	93
Wet Bulb	3073010	47600	64.0	6.099	744			32.8	8.4			93
Dew Point	2303265	40883	55.0	8.738	744		.4	9.1	1.0			93

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

1-4414 HECTOR APT FARGO ND 73-80 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
1 2/101																.1		1	1		
100/ 99																.3		2	2		
[illegible] / 97															.1			1	1		
[illegible]6/ 95													.1	.1	.1			3	3		
[illegible]4/ 93									.1	.1	.1		.3					5	5		
[illegible] / 91												.1		.3				3	3		
[illegible] / 89								.3	.5		.3	.1	.3		.1			12	12		
[illegible]8/ 87							.5	.7	.4	.1	.1			.4				17	17		
[illegible]6/ 85						.4	.3	.5	.8	.3	.3	.1						20	20		
[illegible]4/ 83					.4		.3	1.2	.9	.4	.3	.3	.3					30	30		
[illegible] / 81				.1	.9	.4	1.5	.9	.9	.3	.3	.5	.1					45	45		
[illegible] / 79			.1		.4	.5	1.2	1.3	.8	.7	.4	.4						44	44		
7[illegible]/ 77				.3	.5	.9	1.9	1.2	.9	.5	.7		.1					53	53	2	
76/ 75			.1	.5	1.3	2.2	1.6	1.7	1.1	.9	.3	.1						74	74	19	
74/ 73			.8	1.7	1.5	2.0	1.1	2.0	1.3	.3		.1						81	81	21	5
72/ 71			1.1	.7	1.3	2.7	1.7	1.6	.3	.3								72	72	25	8
[illegible]/ 69		.3	1.3	1.5	1.7	1.9	1.2	.9	.5									70	70	58	23
6[illegible]/ 67	.3	.4	.8	.5	1.3	.8	1.3	.4	.4									47	47	79	29
[illegible]6/ 65		.1	1.3	1.3	.9	.7	1.1	.8										47	47	82	33
[illegible]4/ 63	.3	.5	.7	1.7	1.3	.7	.1	.3										42	42	81	48
[illegible]2/ 61		.9	.4	.9	.5	.7	.1											27	27	89	63
[illegible] / 59		.4	.5	.4	.1	.7	.4											19	19	93	61
[illegible]/ 57		.1	1.5	.3	.3	.1	.1											18	18	71	68
[illegible]/ 55		.3	.3	.3	.1	.1												8	8	48	75
[illegible]4/ 53																				38	54
[illegible]2/ 51			.1		.1													2	2	20	66
50/ 49																				11	53
[illegible]/ 47				.1														1	1	5	31
[illegible]/ 45																					37
[illegible]4/ 43																				2	28
[illegible]2/ 41																					22
40/ 39																					21
[illegible]/ 37																					9
[illegible]/ 35																					6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
34 / 33																				1
32 / 31																				1
30 / 29																				2
TOTAL	.5	3.1	9.1	10.5	13.0	14.8	14.5	14.0	9.1	3.9	2.7	1.9	1.2	.8	.4	.4		744		744
																	744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2521989	41479	55.8	16.791	744							
Dry Bulb	4025457	54375	73.1	8.324	744			72.5	48.9	20.1	1.5	93
Wet Bulb	2928378	46454	62.4	6.125	744			25.5	5.3			93
Dew Point	2306855	40977	55.1	8.364	744		.4	8.1	.6			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 73-80 AUG
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B.	TOTAL W.B.	Dry Bulb	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						
9 / 93													.1						1		1		
9 / 91												.3							2		2		
8 / 89											.3								2		2		
8 / 87									.1		.1	.1							3		3		
8 / 85						.1	.1	.1		.5									7		7		
4 / 83						.1	.3	.3	.3	.4	.3								12		12		
8 / 81					.1	.5	.3	.1	.1	.3	.1								12		12		
8 / 79				.4	.4	.3	.1	.4	.1	.1									14		14		
7 / 77				.4	.9		.7	.5		.1									20		20		
6 / 75		.1	.3	.5	.5	.5	.4		.1	.1									20		20	1	
4 / 73		.3	.5	1.1	.9	.9	.1	.8	.5										39		39	17	1
2 / 71		.3	.8	2.4	.8	1.6	.3	.1	.1		.1								49		49	16	7
1 / 69		.5	2.3	1.9	3.6	.5	.9	.7	.3										80		80	71	12
0 / 67	.4	1.1	2.7	2.2	2.3	.9	.5	.7											80		80	35	23
6 / 65	.4	.9	3.2	3.2	1.2	1.1	.8	.1											82		82	9	
4 / 63		1.7	2.8	2.8	1.3	1.1	.1	.1											75		75	24	5
2 / 61	.1	2.3	2.0	1.9	1.6	.7	.1												65		65	84	46
1 / 59	.3	.7	2.0	1.2	1.9	.4													48		48	91	70
5 / 57		.5	2.8	2.0	.7	.5													49		49	71	101
5 / 55		.7	1.5	.9	1.1	.3													33		33	68	65
4 / 53		1.2	.9	1.7	.1	.1													31		31	63	49
2 / 51		.9	.4	.1															11		11	46	59
0 / 49		.1	.3																3		3	30	64
8 / 47		.3		.1															3		3	26	43
2 / 45		.1	.1																2		2	5	40
4 / 43		.1																	1		1	1	36
2 / 41																						3	21
0 / 39																							6
3 / 37																							7
1 / 35																							4
0 / 33																							1
TOTAL	1.2	12.0	22.7	23.0	17.6	9.8	4.8	4.0	1.7	1.6	.9	.4	.1							744		744	
																			744		744		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3722197	51419	69.1	15.062	744							
Dry Bulb	3292538	49140	66.0	7.947	744			42.6	16.5	6.1	.1	93
Wet Bulb	2673739	44343	59.6	6.445	744			12.9	2.3			93
Dew Point	2291377	40895	55.0	7.654	744		.1	5.4	.1			93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
AUG — 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
110/105																	.0	2		2		
108/103																	.1	4		4		
102/101															.0	.1		6		6		
100/ 99														.0		.1		6		6		
98/ 97														.0	.1	.0		5		5		
96/ 95										.1	.0	.0	.1	.1	.1	.0		23		23		
94/ 93									.1	.1	.1	.0	.1	.0	.1	.0		28		28		
92/ 91								.1	.1	.0	.0	.1	.1	.1	.0			29		29		
90/ 89						.0		.1	.3	.2	.2	.1	.1	.1	.1			61		61		
88/ 87						.0	.2	.3	.2	.3	.4	.1	.0	.2	.0			95		95		
86/ 85					.0	.3	.2	.4	.4	.4	.1	.1	.1	.0				116		116		
84/ 83					.2	.2	.2	.6	.6	.4	.2	.2	.1					147		147		
82/ 81				.1	.2	.4	.5	.5	.6	.2	.3	.1	.1					177		177		
80/ 79			.0	.2	.3	.6	.6	.8	.7	.7	.3	.2	.1	.0				269		269	3	
78/ 77			.1	.4	.5	.5	1.1	.9	.6	.3	.3	.1	.0					278		278	21	
76/ 75		.0	.3	.7	.8	1.0	.9	1.0	.7	.5	.1	.0						349		349	72	4
74/ 73		.1	.6	.9	.8	1.0	.8	.8	.6	.1		.0						345		345	125	22
72/ 71	.0	.3	1.0	1.1	.9	1.0	.8	.6	.4	.1	.0							374		374	183	55
70/ 69	.1	.5	1.7	1.1	1.5	.8	.8	.6	.3									444		444	310	138
68/ 67	.2	.5	1.8	1.3	1.2	.7	.6	.5	.1									418		418	438	204
66/ 65	.2	1.4	2.2	2.0	.8	.7	.7	.3										492		492	543	247
64/ 63	.3	1.9	2.0	1.7	.8	.7	.2	.1										462		462	604	368
62/ 61	.1	1.9	1.8	1.3	1.1	.6	.2	.0										411		411	674	438
60/ 59	.2	1.8	1.8	1.2	.7	.2	.2											365		365	666	516
58/ 57	.2	1.5	2.0	.9	.3	.2	.0											299		299	583	640
56/ 55	.1	1.4	1.3	.8	.6	.1												252		252	506	608
54/ 53	.1	1.3	.9	.8	.2	.0												192		192	435	483
52/ 51	.0	.7	.8	.1	.0													98		98	280	431
50/ 49	.0	.6	.7	.0														81		81	184	506
48/ 47	.0	.7	.1	.0														56		56	174	323
46/ 45	.1	.6	.1															46		46	95	348
44/ 43	.0	.2	.1															18		18	36	271
42/ 41		.1																4		4	17	166
40/ 39																					3	106

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GL AL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-7-14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | AUG MONTH

 ALL HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Poi
? / 37																					48
? / 35																					21
?? / 33																					2
? / 31																					3
?? / 29																					4
TOTAL	1.6	15.4	19.4	14.6	10.8	9.0	7.9	7.5	5.7	3.3	1.9	1.0	.6	.5	.3	.3	.1		5952		5952
																		5952		5952	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	27963509	391971	65.9	19.008	5952							
Dry Bulb	28245134	405480	68.1	10.222	5952			397.0	242.5	105.5	9.3	744
Wet Bulb	21940477	359025	60.3	6.909	5952			144.0	27.6			744
Dew Point	18308347	326825	54.9	7.803	5952		.9	52.9	3.3			744

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

2

[illegible] AL CLIMATOLOGY BRANCH
[illegible] AFETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
SEP — MONTH

0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 79					.1	.1			.1									3	3		
7[illegible] / 77						.1	.3		.3	.1								6	6		
[illegible] / 75				.6	.3	.3		.1	.1	.1								11	11		
[illegible] / 73			.1	.1		.3		.1										5	5		
[illegible] / 71			.1	.1	.3			.3										6	6	1	
[illegible] / 69	.1	.4	.4	.4	.4	.3		.7										20	20	9	3
[illegible] / 67			.3	.4	.1		.3											8	8	7	7
[illegible]6 / 65		1.1	.7		.7	.1		.1										20	20	15	
[illegible]4 / 63		.4	1.1	.1	.4	.3	.4		.1									21	21	14	17
[illegible] / 61		1.4	.8	.8	.8	.3												30	30	15	8
[illegible] / 59		1.5	1.4	.6	1.5	.8		.1										43	43	26	17
5[illegible] / 57	.1	1.4	1.3	.7	1.4	.1	.1											37	37	32	25
5[illegible] / 55	.4	3.3	1.8	1.8	1.1	1.0	.1											69	69	37	29
[illegible]4 / 53		1.4	2.9	2.1	.6	.1	.1											52	52	49	28
[illegible]2 / 51	.1	4.2	4.3	.7	.3	.6												73	73	55	32
5[illegible] / 49	.1	3.1	2.6	1.9	.8	.1												63	63	82	44
4[illegible] / 47	.1	3.8	2.1	1.4	.3	.4												58	58	76	70
4[illegible] / 45		3.1	3.3	.4	.1													50	50	60	81
44 / 43	.4	2.1	2.5	.4	.4	.1												43	43	63	59
4[illegible] / 41	.1	2.6	1.4	.3	.3													34	34	60	54
4[illegible] / 39	.1	1.3	1.4	.6	.4													27	27	33	47
3[illegible] / 37	.1	.4	.7	.6														13	13	27	58
[illegible] / 35	.1	1.0	.3	.4														13	13	18	36
34 / 33	.1	.4	.3															6	6	20	27
[illegible]2 / 31	.1	.1	.4															5	5	8	21
[illegible] / 29		.3	.1															3	3	7	18
2[illegible] / 27		.1																1	1	4	9
[illegible] / 25																				2	4
2[illegible] / 23																					9
[illegible]2 / 21																					14
[illegible] / 19																					3
TOTAL	2.4	33.3	30.4	14.4	10.4	5.1	1.4	1.5	.7	.3									720		720
																		720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4193695	53909	74.9	14.793	720							
Dry Bulb	2042883	37731	52.4	9.553	720		1.1	7.4	3.1			90
Wet Bulb	1728950	34742	48.3	8.549	720		2.6	2.1				90
Dew Point	1469866	31782	44.1	9.650	720		9.8	1.3				90

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | SEP 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
7 / 77									.1	.3								3	3		
7 / 75				.1	.3	.3												5	5		
74 / 73			.4	.1														4	4		
7 / 71				.1	.1		.1											3	3		
70 / 69		.4	.7	.6			.1											13	13	7	3
6 / 67			.4	.7	.4		.7											16	16	6	3
66 / 65	.1	.7	.6	.1	.1	.1	.1											14	14	6	4
64 / 63		.7	1.4	.3		.1	.3											20	20	16	12
62 / 61		1.8	.6		.3	.3	.1											22	22	18	10
60 / 59		.8	.4	1.3	.4													21	21	27	17
58 / 57		2.2	2.8	1.1	.6													48	48	17	20
56 / 55	.1	2.4	.8	1.9	1.0													45	45	33	27
54 / 53	.6	1.9	2.5	1.4	.4													49	49	50	27
52 / 51	.3	4.2	2.2	.6	.7	.1												58	58	40	30
50 / 49	.1	3.6	3.1	1.1	.6	.1												62	62	71	40
48 / 47	.1	4.7	2.2	.8	.3	.1												60	60	62	62
46 / 45	.4	5.3	2.2	1.5	.1	.3												71	71	72	59
44 / 43	.4	4.0	2.6	.1	.1													53	53	61	86
42 / 41	.3	3.1	1.3	.1	.6													38	38	63	48
40 / 39	.7	1.8	.7	.1														24	24	52	47
38 / 37	.1	3.2	.6	.3														30	30	24	55
36 / 35	.4	1.8	.8	.1														23	23	32	53
34 / 33		1.4	1.0															17	17	19	31
32 / 31	.1	1.3	.1															11	11	22	18
30 / 29	.1	.3																3	3	12	19
28 / 27		1.0																7	7	6	18
26 / 25																				4	7
24 / 23																					6
22 / 21																					12
20 / 19																					6
TOTAL	4.0	46.5	27.4	12.6	6.0	1.5	1.5		.1	.3								720	720	720	720

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4654894	57128	79.3	13.032	720							
Dry Bulb	1855223	35873	49.8	9.718	720		2.6	5.5	1.5			90
Wet Bulb	1621540	33566	46.6	8.881	720		5.5	1.6				90
Dew Point	1419710	31204	43.3	9.679	720		10.8	.8				90

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

GL AL CLIMATOLOGY BRANCH
ETAC
AI EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | SEP MONTH

0600-0800 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
/ 91										.1								1	1		
/ 79						.1				.1								2	2		
6/ 75				.1					.1									2	2		
74/ 73			.1	.7		.1												7	7		
72/ 71		.3	.1	.4	.3													8	8		
7 / 69		.1	.6	.3	.6													11	11	7	3
/ 67			.3	.4	.4		.1											9	9	6	2
6/ 65	.4	.3	.4	.8		.3		.1										17	17	12	8
4/ 63		.7	.4	.6	.6		.3											18	18	10	11
2/ 61		1.0	.6	.4	.1	.3												17	17	16	7
/ 59		1.3	1.3	.4	.6													25	25	18	12
5/ 57		2.5	2.5	.6	1.0													47	47	26	19
5/ 55	.1	3.2	1.9	1.0	.6	.1												50	50	37	31
4/ 53	.7	2.8	3.1	1.5	.4													61	61	51	35
2/ 51	.8	3.1	2.8	1.8	.7	.1												67	67	56	48
/ 49	.3	4.4	2.2	1.9	.1													65	65	67	48
/ 47	.3	5.0	2.1	.8	.3	.4												64	64	58	53
6/ 45	.1	4.6	2.4	.8	.4													60	60	82	56
4/ 43	.4	3.6	2.6	.1	.1													50	50	59	73
2/ 41	.6	2.8	1.9	.1	.3													41	41	56	56
/ 39	.3	1.3	.7	.3														18	18	50	57
/ 37	.1	2.2	.7	.3														24	24	24	48
6/ 35	.3	2.4	.3															21	21	27	48
4/ 33		1.0	1.1															15	15	24	32
2/ 31		.4	.4															6	6	10	17
/ 29		.8																6	6	10	12
/ 27	.1	.6	.3															7	7	8	15
/ 25		.1																1	1	5	13
4/ 23																				1	5
2/ 21																					6
/ 19																					4
/ 17																					1
TOTAL	4.6	44.3	28.8	13.5	6.4	1.5	.4	.1	.1	.3								720	720	720	720

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	4702204	57500	79.9	12.380	720
Dry Bulb	1877627	36127	50.2	9.501	720
Wet Bulb	1646454	33854	47.0	8.719	720
Dew Point	1451089	31603	43.9	9.430	720

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb		2.5	5.0	1.5	.1		90
Wet Bulb		4.3	1.6				90
Dew Point		9.1	.6				90

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

...L HAL CLIMATOLOGY BRANCH
...ETAC
AT... WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1...14 | HECTOR APT FARGO ND | 73-80 | SEP
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
...91													.1					1		1		
... 89												.1						1		1		
...87							.1	.1	.1	.1		.1						5		5		
...85								.1										1		1		
...83						.1	.3	.1	.3		.1	.1						8		8		
... 81						.4	.3											5		5		
... 79					.1	.1	.1	.3		.1								6		6		
7... 77					.7	.4	.1	.1	.4	.3	.1							16		16		
76/ 75				.3	.3		.1	.3	.3									9		9	1	
74/ 73			.1		.3	.6	.1	.3	.3									12		12	5	
72/ 71		.1		.4	.3	.1	.3	.6	.3	.3								17		17	10	
... 69		.1	.1	.3	.8	.4	1.3	.4	.4	.1								29		29	15	5
6... 67		.4	.1	.6	1.0	.6	.8		.4									28		28	7	8
66/ 65	.1	.3	.1	.8	1.0	1.3	1.7	.8										44		44	14	15
64/ 63	.1	.4	.7	2.1	.6	1.0	.7	.1	.1									42		42	16	12
62/ 61		.6	1.0	1.4	1.4	1.9	.8	.3										53		53	27	8
60/ 59		2.1	1.9	2.8	1.8	2.2	.4	.1										82		82	38	11
... 57		1.5	1.7	2.8	1.1	1.4	.3											63		63	62	25
5... 55	.4	1.9	2.1	1.8	2.5	.6	.6											71		71	72	49
54/ 53	.3	2.5	3.3	1.5	1.1	.7	.1											69		69	94	49
52/ 51	.1	.7	1.8	1.3	2.1													43		43	78	63
... 49	.3	.6	1.7	2.5	.4	.3												41		41	75	58
48/ 47	.1	.7	1.1	.4	1.0	.3												26		26	61	71
46/ 45		.8	1.0	1.1	.1	.1												23		23	43	58
44/ 43		.4	.7	.3	.1													11		11	47	53
42/ 41			.3		.3													4		4	18	57
4... 39		.3	.4	.3														7		7	20	43
36/ 37				.3														2		2	6	45
34/ 35				.1														1		1	4	34
32/ 33																					4	11
3... 31																					3	15
... 29																						15
2... 27																						5
24/ 25																						2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

14914 | HECTOR APT FARGO ND | 73-80 | SEP
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
24/ 23																					6
22/ 21																					2
TOTAL	1.5	13.5	18.2	21.0	16.9	12.5	8.2	3.8	2.6	1.0	.3	.4	.1					720	720	720	720

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	325403	46913	65.2	16.540	720							
Dry Bulb	2591758	42672	59.3	9.341	720			17.3	8.0	3.0		90
Wet Bulb	2034001	37877	52.6	7.589	720		.4	4.8	.8			90
Dew Point	1626549	33603	46.7	9.002	720		5.6	1.6				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1-3114 | HECTOR APT FARGO ND | 73-80 | SEP
STATION | STATION NAME | YEARS | 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
[illegible] / 97													.1	.1				2	2	
[illegible] / 95											.1		.1	.3	.3			6	6	
[illegible] / 93										.1	.1		.1		.1			4	4	
[illegible] / 91										.4	.3			.1	.3			8	8	
[illegible] / 89									.1	.1	.1	.1	.1	.3	.1			8	8	
[illegible] / 87								.1	.7		.1			.1	.1			9	9	
[illegible] / 85								.3		.1	.1	.3	.4	.1				10	10	
[illegible] / 83							.6	.6		.3	.3	.4	.1					16	16	
[illegible] / 81						.1	.6	.1	.3	.6	.4	.3	.3	.1				20	20	
[illegible] / 79					.1	.6	.3	.1	.4	.7	.4	.1	.1					21	21	
[illegible] / 77					.3		.3	.6	.1	1.1	.1	.6	.1					23	23	
[illegible] / 75			.1	.1	.1	.3	.1	.7	1.1	.3	.8	.1						28	28	4
[illegible] / 73						.7	.3	.6	1.1	.3	.8	.1						28	28	11
[illegible] / 71			.3	.1	.6	.6	1.0	1.4	1.5	.3	.1	.1						43	43	17
[illegible] / 69		.4		.1	1.8	1.1	1.4	1.7	.4	.8	.3							58	58	21 3
[illegible] / 67		.3		.3	1.1	1.1	1.3	.6	.8	.6								43	43	12 13
[illegible] / 65			.1	1.5	1.1	.3	1.5	1.4	.7	.3								50	50	18 15
[illegible] / 63		.1	1.3	1.1	.8	1.4	1.5	.7	.3	.3								54	54	29 16
[illegible] / 61		.3	.1	1.1	.8	1.4	1.5	.4	.3									43	43	58 6
[illegible] / 59		1.5	1.1	.7	.7	1.9	.6	.4	.1									51	51	66 21
[illegible] / 57		.7	1.0	2.2	1.1	.8	.7	.4										50	50	79 24
[illegible] / 55	.1	2.2	1.7	1.5	.7	1.1	.4	.4										59	59	73 49
[illegible] / 53		.8	.6	.7	.4	.7	1.0											30	30	82 50
[illegible] / 51		.4	.4	.6	1.4	.4	.4											26	26	76 64
[illegible] / 49	.4		.1	.1	.4	.1	.1											10	10	56 47
[illegible] / 47		.7	.1	.3	.1													9	9	28 60
[illegible] / 45		.1	.1	.1		.1												4	4	35 49
[illegible] / 43			.1			.3												3	3	27 72
[illegible] / 41			.1		.1													2	2	17 31
[illegible] / 39				.3														2	2	5 37
[illegible] / 37																				46
[illegible] / 35																				3 23
[illegible] / 33																				3 29
[illegible] / 31																				22

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | SEP MONTH

 1200-1400 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb Dew Point
[illegible] / 29																				13
[illegible] / 27																				11
[illegible] / 25																				11
[illegible] / 23																				5
[illegible] / 21																				3
TOTAL	.6	7.6	7.4	11.0	11.8	13.1	13.5	10.4	8.1	6.3	4.3	2.2	1.7	1.3	1.0				720	720
																		720	720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2235699	37681	52.3	19.150	720							
Dry Bulb	3246608	47704	66.3	10.934	720			40.9	22.9	11.9	1.5	90
Wet Bulb	2264295	39997	55.6	7.680	720			8.1	1.9			90
Dew Point	1622447	33427	46.4	9.906	720		8.1	2.0				90

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

GL[illegible]AL CLIMATOLOGY BRANCH
[illegible]FETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
1[illegible] / 99															.1		.1	2	2		
[illegible]/ 97													.4		.1	.3	.1	7	7		
[illegible]/ 95											.1	.3		.1	.4		.3	9	9		
[illegible]/ 93											.3	.1	.1	.3	.1	.3		9	9		
[illegible]/ 91										.3		.3	.1		.1			6	6		
[illegible]/ 89										.4	.3	.4		.1	.6	.1		14	14		
[illegible]/ 87								.1	.1		.4	.3		.3	.4			12	12		
[illegible]/ 85								.4			.4	.1		.4	.1			11	11		
[illegible]/ 83								.3	.1	.1	1.0			.3	.3			15	15		
[illegible]/ 81						.1		.1		.1	.6	.6	.1	.1				13	13		
[illegible]/ 79					.1	.3	.3	1.0	.3	.6	.7	.7	.3	.3				32	32		
7[illegible]/ 77					.1		.1	.4	.7	1.4	.3	.7	.3					29	29		
[illegible]/ 75			.4		.1	.3	.1	.1	1.1	.7	.7	.3						28	28	3	
[illegible]/ 73			.1	.1		.4	.3	.6	1.4	.8	.8	.3						35	35	10	
[illegible]/ 71		.1	.3	.3	.7	1.3	1.1	1.1	1.1	1.4	.1	.1						55	55	17	
[illegible]/ 69			.1		.8	1.1	1.0	2.2	.3	.8	1.0							53	53	15	5
[illegible]/ 67				.3	.8	.7	1.1	.8	2.1	.1	.7							48	48	24	6
[illegible]/ 65			.3	.8	.6	1.1	2.6	1.3	.6	.1								53	53	19	15
[illegible]/ 63		.4	.6	1.0	.7	.6	1.0	1.0	.3	.4								42	42	30	9
[illegible]/ 61		.6	.7	1.1	.8	1.0	1.3	.6	.3									45	45	61	9
[illegible]/ 59		1.5	1.3	.3	1.3	.7	.8	.3	.4									47	47	66	10
[illegible]/ 57		.8	2.2	.7	.8	.4	.6	1.3										49	49	87	38
5[illegible]/ 55		.4	.7	1.1	.7	.7	1.5	.7										42	42	80	48
[illegible]/ 53		1.0	.4	.4	.4	.7	.1	.1										23	23	82	38
[illegible]/ 51			.1		.4	.4												7	7	75	53
[illegible]/ 49	.4	.1	.8		.8	.3												18	18	42	56
[illegible]/ 47		.3	.3	.3	.1													7	7	27	51
[illegible]/ 45		.1		.1	.1	.1												4	4	23	61
44/ 43					.1	.6												5	5	36	58
[illegible]/ 41																				15	39
[illegible]/ 39																				1	26
[illegible]/ 37																				1	53
[illegible]/ 35																				6	41
34/ 33																					17

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-4-14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
32 / 31																					22
30 / 29																					16
28 / 27																					20
26 / 25																					13
24 / 23																					11
22 / 21																					3
20 / 19																					3
TOTAL	.4	5.4	8.3	6.5	9.7	10.7	11.9	12.4	8.8	7.4	7.4	4.2	1.4	1.9	2.4	.7	.6		720		720
																		720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1935222	34454	47.9	19.962	720							
Dry Bulb	3441115	49095	68.2	11.401	720			47.3	27.8	14.1	3.4	90
Wet Bulb	2287424	40222	55.9	7.502	720			8.6	1.2			90
Dew Point	1553102	32622	45.3	10.217	720		10.9	1.4				90

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

GL AL CLIMATOLOGY BRANCH
USAFETAC
AI- WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1-814 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | SEP MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
94/ 93											.1					.3		3	3		
92/ 91										.1		.1	.1	.1	.1			5	5		
90/ 89									.1		.1			.1	.1			4	4		
88/ 87								.3		.3	.6		.1					9	9		
86/ 85								.1	1.0		.3		.1					11	11		
84/ 83							.1	.3		.4		.1	.3					9	9		
82/ 81							.1	.4	.1		.1	.1	.1					8	8		
80/ 79						.3		.1	.1	.3	.4	.3	.1					12	12		
78/ 77					.1		.3	.3	.1	.3	.1	.3						11	11		
76/ 75					.1	.4	.1	.3	.4	.6	.6							18	18	1	
74/ 73			.3	.1		.4	.4	.3	.3	.4	.4							19	19	4	
72/ 71			.1	.4	.1	.3	1.0	.6	.7	.4	.1							27	27	6	
70/ 69		.3	.1		.7	.4	.6	.7	1.0	.3	.1							30	30	16	1
68/ 67		.1	.3	.4	1.0	1.0	1.8	1.3	.7	.4	.1							51	51	15	7
66/ 65			.4	1.8	.6	1.0	.8	.8	.4	.3								44	44	18	7
64/ 63		.8	.3	1.1	1.4	1.3	1.0	.8		.1								49	49	16	12
62/ 61		1.0	1.1	.6	1.4	1.5	1.1	.8	.6									58	58	30	16
60/ 59		2.5	1.9	1.4	1.7	1.5	.8	.3										73	73	59	16
58/ 57		1.3	1.7	2.2	1.3	.3	.7	.3	.3									57	57	75	22
56/ 55		.8	1.5	1.4	1.4	.8	1.1	.4										54	54	70	62
54/ 53		1.1	1.9	1.1	1.7	.4	.8	.1										52	52	82	28
52/ 51		.8	1.0	.6	.8	.1	.6											28	28	68	48
50/ 49	.1	.4	1.3	.7	.4	.8												27	27	75	57
48/ 47		1.1	1.4	.7	.8	.3												31	31	44	55
46/ 45	.1	.4	.1	.8	.3	.3												15	15	45	65
44/ 43		.1		.3	.1													4	4	41	56
42/ 41				.1	.7													6	6	15	49
40/ 39			.1		.1													2	2	22	49
38/ 37				.1														1	1	4	37
36/ 35				.3														2	2	6	34
34/ 33																				4	14
32/ 31																				2	20
30/ 29																				2	19
28/ 27																					14

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
SEP — MONTH

1800-2000 — HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	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				
28 / 25																					12
24 / 23																					11
22 / 21																					7
20 / 19																					2
TOTAL	.3	10.8	13.6	14.2	14.7	11.1	11.4	8.2	5.8	3.9	3.2	1.0	1.0	.3	.3	.3		720	720	720	72

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2628435	41233	57.3	19.274	720							
Dry Bulb	2861759	44753	62.2	10.552	720			27.1	13.6	6.8	.4	9
Wet Bulb	2084872	38336	53.2	7.795	720		.5	5.3	.6			9
Dew Point	1543102	32554	45.2	9.952	720		10.6	1.0				9

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1014 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | SEP 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
6/ 85								.1	.1				.1					3	3		
4/ 83							.1	.3			.1	.1						5	5		
2/ 81						.1	.4	.3	.1	.1	.1	.1						10	10		
/ 79							.4		.3		.1							6	6		
7/ 77					.3	.1	.3		.1	.3								8	8		
6/ 75				.3	.1					.1								4	4		
4/ 73				.3					.1	.1								4	4		
2/ 71				.4	.1	.1	.1	.3	.3									10	10	3	
/ 69	.3	.1	.3	.6	.6	.4	.1	.1										18	18	15	2
/ 67		.1	.1	.3	.4	.7	.3	.1	.1									16	16	9	3
6/ 65		.7	.3	.7	.4	.6	1.3	.4	.1									32	32	12	10
4/ 63		.3	.6	1.3	.1	1.1	1.0		.6									35	35	12	10
2/ 61		.7	1.5		.7	1.0	.8	.3	.1									37	37	18	15
/ 59		2.2	1.3	1.0	1.4	1.3	.1	.4										55	55	28	9
/ 57		2.4	2.1	2.4	1.3	.6	.3											64	64	46	22
/ 55		1.5	3.5	1.3	2.8	.8	.4											74	74	41	48
4/ 53	.1	2.1	3.6	1.7	.7	.6	.3											65	65	76	28
2/ 51	.1	2.1	2.6	1.9	1.9	.7	.3											70	70	72	35
/ 49		1.1	2.5	1.5	.6	.1	.1											43	43	88	58
/ 47		1.4	2.1	1.4	.1	.4												39	39	58	65
/ 45		2.8	2.4	1.3	.7	.4												54	54	70	68
4/ 43		.7	1.1	1.1	.3	.1												24	24	50	51
2/ 41		.8	.4	.7	.1													15	15	38	65
/ 39		.4	.7	.8														14	14	30	56
/ 37		.3		.7														7	7	22	30
6/ 35			.1	.4														4	4	12	41
34/ 33		.1	.1															2	2	8	21
2/ 31			.3															2	2	7	26
/ 29																				3	14
/ 27																				2	8
/ 25																					10
4/ 23																					14
2/ 21																					8
/ 19																					1

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...AL CLIMATOLOGY BRANCH
...ETAC
AT...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
SEP — MONTH

2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31				
T...L	.6	19.9	25.6	19.9	12.6	9.2	6.4	2.4	2.1	.7	.4	.3	.1					720	720	720	720

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3532616	48968	68.0	16.772	720							
Dry Bulb	2305461	40151	55.8	9.612	720		.3	10.5	5.0	2.9		90
Wet Bulb	1847955	36009	50.0	8.090	720		1.5	3.4				90
Dew Point	1492936	32046	44.5	9.626	720		10.1	.6				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 73-80 SEP

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															.0		.0	2	2			
98/ 97													.1	.0	.0	.0	.0	9	9			
96/ 95											.0	.0	.0	.1	.1		.0	15	15			
94/ 93										.0	.1	.0	.0	.0	.0	.1		16	16			
92/ 91										.1	.0	.1	.1	.0	.1			20	20			
90/ 89									.0	.1	.1	.1	.0	.1	.1	.0		27	27			
88/ 87							.0	.1	.1	.1	.1	.1	.0	.1	.1			35	35			
86/ 85								.1	.1	.0	.1	.1	.1	.1	.0			36	36			
84/ 83						.0	.1	.2	.1	.1	.2	.1	.1	.0	.0			53	53			
82/ 81						.1	.2	.1	.1	.1	.2	.1	.1	.0				57	57			
80/ 79					.1	.2	.1	.2	.2	.2	.2	.1	.1	.0				82	82			
78/ 77					.2	.1	.2	.2	.2	.5	.1	.2	.1					96	96			
76/ 75			.1	.2	.2	.2	.1	.2	.4	.2	.3	.1						105	105	9		
74/ 73			.2	.2	.3	.3	.1	.2	.4	.2	.3	.1						114	114	30		
72/ 71		.1	.1	.3	.3	.3	.5	.5	.5	.3	.1	.0						169	169	54		
70/ 69	.1	.2	.3	.3	.7	.5	.6	.7	.3	.3	.2							232	232	105	25	
68/ 67		.1	.2	.4	.7	.5	.8	.3	.5	.1	.1							219	219	86	49	
66/ 65	.1	.4	.4	.8	.6	.6	1.0	.6	.2	.1								274	274	114	74	
64/ 63	.0	.5	.8	.9	.6	.7	.8	.3	.2	.1								281	281	143	99	
62/ 61		.9	.8	.7	.8	1.0	.7	.3	.2									305	305	243	79	
60/ 59		1.7	1.3	1.0	1.2	1.1	.3	.2	.1									397	397	328	113	
58/ 57	.0	1.6	1.9	1.6	1.1	.5	.3	.2	.0									415	415	424	195	
56/ 55	.2	2.0	1.8	1.5	1.3	.6	.5	.2										464	464	443	343	
54/ 53	.2	1.7	2.3	1.3	.7	.4	.3	.0										401	401	566	283	
52/ 51	.2	1.9	1.9	.9	1.0	.3	.2											372	372	520	373	
50/ 49	.2	1.7	1.8	1.2	.5	.2	.0											329	329	556	408	
48/ 47	.1	2.2	1.4	.8	.4	.2												294	294	414	487	
46/ 45	.1	2.2	1.4	.8	.2	.2												281	281	430	497	
44/ 43	.2	1.4	1.2	.3	.2	.1												193	193	384	508	
42/ 41	.1	1.2	.7	.2	.3													140	140	282	399	
40/ 39	.1	.6	.5	.3	.1													94	94	213	364	
38/ 37	.1	.8	.2	.3														77	77	108	372	
36/ 35	.1	.6	.2	.2														64	64	108	310	
34/ 33	.0	.4	.3															40	40	82	182	

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...L CLIMATOLOGY BRANCH
...FETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | SEP MONTH

ALL HOURS ...E...

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
2/ 31	.3	.2	.2															24	24	52	161
3./ 29	.3	.2	.0															12	12	34	125
2./ 27	.0	.2	.0															15	15	20	100
2./ 25		.0																1	1	11	72
24/ 23																				1	67
22/ 21																					55
2 / 19																					19
1 / 17																					1
TOTAL	1.8	22.7	19.9	14.1	11.1	8.1	6.8	4.8	3.5	2.5	1.9	1.0	.5	.4	.5	.1	.1	5760	5760	5760	5760

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	27136168	377786	65.6	20.235	5760							
Dry Bulb	20222434	334106	58.0	12.097	5760		6.5	160.9	83.4	38.7	5.2	720
Wet Bulb	15515491	294603	51.1	8.816	5760		14.7	35.5	4.9			720
Dew Point	12178801	258841	44.9	9.747	5760		75.0	9.2				720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | OCT MONTH

PAGE 1 | 0000-0200 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
/ 67									.1									1	1		
66 / 65	.1	.1				.1	.1	.1	.1									6	6	1	1
64 / 63	.1	.4	.1	.4	.1			.4	.1									13	13	2	2
62 / 61		.3			.1		.1	.1										5	5	3	2
/ 59			.1	.3	.1	.1		.1										6	6	3	2
/ 57		.5		.3	.9	.1												14	14	6	3
56 / 55	.3	.7		.4	.4	1.3												23	23	8	6
54 / 53	.1	.7	.3	2.2	.7	.3	.1											32	32	10	8
52 / 51	.5	1.1	.8	1.1	1.1	.1	.3											37	37	18	11
50 / 49	.5	.3	.8	1.2	1.6		.1											34	34	31	14
48 / 47	.3	1.5	1.1	1.5	.7	.7												42	42	32	6
46 / 45	.1	1.1	2.2	1.6	.4													40	40	44	10
44 / 43	.1	2.7	2.6	2.2	.9	.3												65	65	42	33
42 / 41	.4	3.4	3.8	1.7	.3													71	71	64	44
40 / 39	.8	3.5	3.6	1.6	.4													74	74	83	41
38 / 37	.1	3.2	2.7	.3														47	47	65	56
36 / 35	.3	3.5	3.0	.4														53	53	71	72
34 / 33	1.3	3.5	3.0	.3														60	60	75	74
32 / 31	1.1	2.8	.8	.3														37	37	60	79
/ 29	.5	2.2	.3															22	22	42	60
28 / 27		1.1	1.3															18	18	22	67
26 / 25	.1	1.1	.4															12	12	15	35
24 / 23		1.3	.1															11	11	19	32
22 / 21	.3	.7	.3															9	9	11	18
/ 19	.1	.3	.1															4	4	7	21
/ 17																				1	14
16 / 15		.4																3	3	1	13
14 / 13		.5																4	4	5	5
12 / 11		.1																1	1	2	4
/ 9																				1	2
/ 7																					3
/ 5																					3
/ 3																					2
/ 1																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...AL CLIMATOLOGY BRANCH
...AFETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH

PAGE 2

0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	7.4	36.8	27.3	15.6	7.8	3.1	.8	.8	.4									744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4203902	54786	73.6	15.109	744							
Dry Bulb	1342904	30768	41.4	9.741	744		15.1	.1				93
Wet Bulb	1120912	28160	37.8	8.609	744		23.3					93
Dew Point	876553	24543	33.0	9.491	744		44.9					93

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

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

2

PSYCHROMETRIC SUMMARY

1[illegible]14 | HECTOR APT FARGO ND | 73-80 | OCT
STATION | STATION NAME | YEARS | 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
[illegible] / 63	.3					.3	.1	.3										7	7	2	2
[illegible] / 61	.1	.7	.3	.1		.1	.3											12	12	1	1
[illegible] / 59			.1		.1	.3												4	4	6	4
5[illegible] / 57		.1	.3	.4	.4													9	9	3	2
5[illegible] / 55	.1	.5		.7	.3	.5												16	16	6	2
[illegible] / 53	.1	.7	.1	1.6	.4	.4												25	25	8	8
[illegible] / 51	.9	.3	.4	.8		.1												19	19	18	9
5[illegible] / 49	.4		1.2	.7	1.2	.4	.1											30	30	18	11
[illegible] / 47	.8	.1	1.1	1.2	.1	.4												28	28	24	9
4[illegible] / 45	.3	1.6	2.3	1.5	.4	.3												47	47	27	8
[illegible] / 43		2.2	2.8	1.2	.1													47	47	34	15
[illegible] / 41	.7	4.2	3.4	1.7	.4													77	77	61	43
[illegible] / 39	1.1	4.4	4.0	.8	.1													78	78	86	44
[illegible] / 37	.3	3.5	3.0	.9														57	57	74	58
[illegible] / 35	.8	4.4	2.0	.1														55	55	65	71
34 / 33	.8	4.6	1.7	.4		.1												57	57	81	80
[illegible] / 31	1.6	5.5	1.9															67	67	64	84
[illegible] / 29	.7	2.7	.7	.1														31	31	55	64
[illegible] / 27	.1	2.0	.1															17	17	30	53
[illegible] / 25		1.1	.7															13	13	20	52
24 / 23		1.1	.1															9	9	15	28
[illegible] / 21	.4	1.2																12	12	15	18
[illegible] / 19	.5	1.5																15	15	13	20
[illegible] / 17		.3																2	2	6	16
16 / 15		.8																6	6	2	17
14 / 13		.1																1	1	6	9
[illegible] / 11		.4																3	3	1	1
[illegible] / 9																				3	5
[illegible] / 7																					3
[illegible] / 5																					3
[illegible] / 3																					4
TOTAL	10.1	44.0	26.2	12.4	3.6	3.0	.5	.3											744		744
																		744		744	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4550997	57277	77.0	13.801	744							
Dry Bulb	1211981	29165	39.2	9.616	744		22.0					93
Wet Bulb	1038292	27036	36.3	8.669	744		28.8					93
Dew Point	834735	23921	32.2	9.398	744		47.1					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

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | OCT 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
[illegible] / 63		.1			.3	.4	.1											7	7		
[illegible] / 61	.1	.3																3	3	2	1
[illegible] / 59	.1	.1	.1			.3	.1											6	6	3	4
[illegible] / 57				.1														1	1	1	
5[illegible] / 55	.1	.8	.1	.3		.8												16	16	7	2
[illegible] / 53	.1	.3	.4	1.5	.3	.1												20	20	7	7
[illegible] / 51	1.3	.5	.8	.5	.8	.1												31	31	16	12
[illegible] / 49	.4	.1	1.7	1.2		.3												28	28	19	9
[illegible] / 47		.8	.7	.7	.3													18	18	19	6
[illegible] / 45	.7	1.1	1.2	1.5	.3													35	35	36	16
[illegible] / 43		2.6	3.6	.7	.1													52	52	28	22
[illegible] / 41		4.2	5.5	1.1	.3													82	82	44	29
[illegible] / 39	1.9	3.8	4.3	.5														78	78	88	32
[illegible] / 37	.7	4.3	2.8	.7														63	63	87	62
[illegible] / 35	.5	3.9	2.8															54	54	66	80
[illegible] / 33	1.2	4.7	2.0	.3														61	61	71	73
[illegible] / 31	1.7	4.7	1.2	.3														59	59	68	90
[illegible] / 29	1.3	3.5	.7	.4														44	44	61	75
[illegible] / 27	.3	2.2	.1															19	19	36	50
[illegible] / 25	.1	1.6	.4															16	16	19	50
[illegible] / 23	.4	.3																5	5	16	24
[illegible] / 21	.4	2.3	.4															23	23	18	22
[illegible] / 19	.8	.8																12	12	18	19
[illegible] / 17	.1																	1	1	4	24
[illegible] / 15		.5																4	4	1	11
[illegible] / 13		.1																1	1	3	6
[illegible] / 11		.4																3	3	3	7
[illegible] / 9		.1																1	1	1	4
/ 7		.1																1	1	2	2
/ 5																					3
/ 3																					2
TOTAL	12.5	44.2	29.0	9.7	2.3	2.0	.3												744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4726905	58545	78.7	12.710	744		23.6					93
Dry Bulb	1160290	28556	38.4	9.300	744		31.3					93
Wet Bulb	1007497	26649	35.8	8.443	744		48.6					93
Dew Point	822779	23807	32.0	9.060	744							

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH

0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73									.1									1	1		
72/ 71								.3	.1									3	3		
70/ 69							.4	.4										6	6		
68/ 67							.3	.3	.3									6	6		
66/ 65		.1			.1	.1	.7	.1	.1									10	10		
64/ 63	.1	.1		.1	.4	.4	.4	.4	.1									16	16	2	2
62/ 61			.3	.1	.3	.4	.9	.3										17	17	1	1
60/ 59		.3	.1	.1	.4	1.9	.5	.1										26	26	2	
58/ 57		.8		.4	.8	1.1	.7	.1										29	29	13	
56/ 55	.3	.4	.4	1.5	1.7	1.3	.1											43	43	18	9
54/ 53	.8	.1	.7	.9	2.2	.9												42	42	27	13
52/ 51	.5	.3	1.1	1.1	1.5	.4	.3											38	38	30	7
50/ 49		.3	2.0	1.5	1.7	.3												43	43	46	9
48/ 47		.8	1.6	3.1	1.7	.1												55	55	50	17
46/ 45	.4	.9	2.3	3.9	1.1	.1												65	65	62	36
44/ 43		1.3	2.6	2.7	.3	.1												52	52	57	38
42/ 41	.1	1.7	4.6	2.7														68	68	69	35
40/ 39	.7	2.6	2.7	1.3	.4													57	57	80	61
38/ 37	.3	2.3	3.4	.8	.3													52	52	87	78
36/ 35	.1	1.9	1.5	.5	.1													31	31	51	78
34/ 33	.4	1.5	1.3	.7														29	29	49	72
32/ 31	.3	1.2	1.9															25	25	36	97
30/ 29		.4	.8															9	9	24	52
28/ 27	.1	.5	.4															8	8	14	35
26/ 25	.3	.1	.5															7	7	14	34
24/ 23			.4															3	3	4	15
22/ 21		.1																1	1	3	23
20/ 19		.1																1	1	4	11
18/ 17		.1																1	1	1	1
16/ 15																					6
14/ 13																					9
12/ 11																					5
TOTAL	4.4	18.1	28.5	21.5	13.0	7.3	4.3	2.0	.8									744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3527956	49868	67.0	15.799	744							
Dry Bulb	1648732	34264	46.1	9.758	744		6.9	2.0	.1			93
Wet Bulb	1302081	30563	41.1	7.917	744		12.5					93
Dew Point	961735	25995	34.9	8.484	744		36.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 73-80 | OCT
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85													.3					2	2		
84/ 83													.3					2	2		
82/ 81												.3						2	2		
80/ 79										.5	.1							5	5		
78/ 77									.1	.1	.1	.3						5	5		
76/ 75								.1	.3	.4	.3	.3						10	10		
74/ 73								.1	.8	.3	.1							10	10		
72/ 71						.1	.1	.5	.7	.4	.1							15	15		
70/ 69					.3	.5	.1	.9	.8	.3	.3							24	24		
68/ 67					.3	.3	.5	.8	1.3	.5								28	28		
66/ 65		.4			.1	.4	.8	.7	.9	.4	.1							29	29	1	
64/ 63			.5	.5	.5	.7	1.1	.9	.4		.1							36	36	2	3
62/ 61			.4		.1	.8	1.5	.9	.1	.1								30	30	14	
60/ 59		.4	.4	.3	.9	.5	2.3	.4	.3									41	41	22	
58/ 57		.1	.3	.5	.9	1.9	1.1	1.1	.1									45	45	32	6
56/ 55		.8		.7	.8	1.6	1.6	.5										45	45	33	11
54/ 53	.3	.1	.1	.8	1.2	2.2	2.3	.3										54	54	45	13
52/ 51	.1	.1	.4	.4	1.6	2.8	.3	.1										44	44	44	13
50/ 49		.1	.7	2.3	1.5	.8	.3											42	42	53	10
48/ 47	.4	.8	.4	1.3	1.5	.4												36	36	59	30
46/ 45		1.1	1.6	3.0	2.4	.1												61	61	51	32
44/ 43		.8	1.3	1.9	.9	.5												41	41	88	45
42/ 41		1.1	1.1	1.9	.9	.5												41	41	73	41
40/ 39	.1	.7	.8	.7	.8	.3												25	25	66	44
38/ 37		.8	.4	.7	.3													16	16	45	68
36/ 35	.3	1.2	.7	1.1	.3													26	26	30	77
34/ 33	.8	.5	.1	.4	.1													15	15	34	68
32/ 31	.3	.1	.4	.4														9	9	28	83
30/ 29			.3	.3														4	4	10	55
28/ 27			.1															1	1	6	39
26/ 25																				7	34
24/ 23																				1	13
22/ 21																					19
20/ 19																					14

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH

1200-1400 — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
1 / 17																					9
1 / 15																					3
14 / 13																					8
1 / 11																					6
TOTAL	2.3	9.3	10.1	17.1	15.6	14.5	12.0	7.5	5.9	3.1	1.3	.8	.5				744	744	744		744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2443000	40254	54.1	18.888	744							
Dry Bulb	2203749	39603	53.2	11.348	744		1.8	12.9	4.5	.9		93
Wet Bulb	1548044	33386	44.9	8.194	744		6.5					93
Dew Point	996596	26366	35.4	9.152	744		35.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
8[illegible] / 87														.1				1	1		
[illegible] / 85												.1	.4	.1				5	5		
[illegible]4 / 83												.3	.1					3	3		
[illegible]2 / 81												.4	.3					5	5		
[illegible] / 79										.1	.1	.4	.1					6	6		
7[illegible] / 77										.5	.5	.3	.1					11	11		
[illegible]6 / 75								.1	.3	.3	.3	.1						8	8		
[illegible]4 / 73							.3		.7	.7	.1	.3						15	15		
7[illegible] / 71							.5	.8	.7	.1		.1						17	17		
[illegible] / 69					.3	.4	.4	.9	.9	.9								29	29		
6[illegible] / 67					.3	.3	.8	.7	1.1	.9								30	30		
[illegible]6 / 65		.4		.5	.1	.5	.4	.5	.5	.1								24	24	3	3
[illegible]4 / 63			.4	.1	.3		.8	.9	1.1	.8								33	33	1	
[illegible]2 / 61			.4		.4	.7	1.3	1.3	.1	.1								33	33	22	
[illegible] / 59			.4		.5	.8	1.3	1.3	1.2									42	42	28	
[illegible] / 57			.3	.3	1.3	1.2	1.9	1.2	.1									47	47	33	8
5[illegible] / 55		.4	.4	.3	.7	1.2	2.8	.8										49	49	30	7
[illegible]4 / 53	.4	.4	.4	.8	.3	1.3	1.7	.8	.1									47	47	34	14
[illegible]2 / 51	.4	.8	.3	.4	1.6	2.3	1.2	.3										54	54	52	17
[illegible] / 49	.1	.1	1.2	1.2	1.3	.5	.3											36	36	56	19
[illegible] / 47	.1	.8	.5	1.9	3.1	.9												55	55	64	21
[illegible] / 45		.7	1.2	1.7	1.6	.7												44	44	51	30
[illegible] / 43		.5	.8	.8	.8	1.5												33	33	90	39
[illegible] / 41		.8	.7	1.2	.1	.8												27	27	66	48
[illegible] / 39	.5	.3	.9	.5	.7	.1												23	23	66	42
[illegible] / 37	.1	1.3	.4	.5	.4													21	21	36	49
[illegible] / 35		.5	.8	.9	.4													20	20	38	64
[illegible] / 33	.5	.8	.3	.1	.4													16	16	21	75
[illegible] / 31	.1		.4	.3	.1													7	7	28	78
[illegible] / 29			.3	.1														3	3	13	41
[illegible] / 27																				5	58
[illegible] / 25																				6	36
[illegible] / 23																				1	21
[illegible] / 21																					25

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 73-80 | OCT
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 19																					14
1 / 17																					8
1 / 15																					10
1 / 13																					6
1 / 11																					9
1 / 9																					1
/ 7																					1
TOTAL	2.4	7.9	10.1	11.8	14.8	13.3	13.8	9.8	6.9	4.7	1.1	2.0	1.1	.3				744		744	744
																	744		744		

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2223556	37890	50.9	19.889	744							
Dry Bulb	2318922	40604	54.6	11.771	744		1.3	16.3	6.8	2.0		93
Wet Bulb	1580962	33732	45.3	8.333	744		6.6					93
Dew Point	971530	25896	34.8	9.719	744		38.5					93

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

L... AL CLIMATOLOGY BRANCH
...FETAC
AT... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH
PAGE 1
1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 79											.4							3	3		
7 / 77											.3							2	2		
[illegible] / 75										.3	.1							3	3		
[illegible] / 73										.1	.1							2	2		
[illegible] / 71								.1	.1	.1	.1							4	4		
[illegible] / 69						.1	.1	.1	.1	.3								6	6		
[illegible] / 67				.1	.3	.1	.3	.4	.1	.4								13	13		
[illegible] / 65		.4		.3	.1	.3	.5	.1	.1	.1								15	15	3	3
[illegible] / 63			.3	.4	.1	.8	.5	.3										18	18		
[illegible] / 61			.7	.4	.5	.9	.4	.5										26	26	2	
[illegible] / 59		.3	.4	.5	.5	.7	1.1	.1										27	27	14	2
[illegible] / 57		.3	.5	.9	.4	1.9	1.1	.3	.1									41	41	15	4
[illegible] / 55		.9		.9	1.2	.9	.8	.1										37	37	22	9
[illegible] / 53		1.1	.8	1.1	2.0	1.2	1.1	.1										55	55	37	11
[illegible] / 51	.5	.1	1.2	.8	1.1	.8	.9											41	41	35	20
[illegible] / 49	.1	.4	1.1	1.6	2.2	1.5	.3	.1										54	54	46	12
[illegible] / 47	.1	.9	.5	2.0	1.3	1.3	.1											48	48	46	14
[illegible] / 45	.1	1.3	1.5	1.9	1.6	.9												55	55	57	39
[illegible] / 43	.1	1.5	2.0	3.5	1.1													61	61	50	36
[illegible] / 41	.3	.5	3.1	2.0	1.1	.3												54	54	75	32
[illegible] / 39	.4	1.1	2.8	.8	.4	.3												43	43	70	61
[illegible] / 37	.5	1.9	.8	1.3	.5													38	38	85	44
[illegible] / 35	.3	.4	1.2	1.1	.3													24	24	58	62
[illegible] / 33		1.7	1.6	.8	.1													32	32	26	68
[illegible] / 31	.5	1.1	.7	.3	.1													20	20	42	87
[illegible] / 29		.5	.7	.1														10	10	28	50
[illegible] / 27		.3	.3	.1														5	5	14	36
[illegible] / 25			.4															3	3	7	51
[illegible] / 23			.3															2	2	4	29
[illegible] / 21			.1															1	1	4	22
[illegible] / 19																				2	18
[illegible] / 17																				1	5
[illegible] / 15																					8
[illegible] / 13																					8

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...L ...AL CLIMATOLOGY BRANCH
... ...ETAC
A... ...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14 | HECTOR APT FARGO ND | 73-80 | OCT
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 1800-2000 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B.	W.B.	TOTAL Dry Bulb	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						
1../ 11																							3
1 / 6																							5
/ 7																							3
./ 5																							1
TAL	3.1	14.8	21.0	21.1	15.1	12.1	7.3	2.4	.7	1.3	1.1									743		743	743
																			743		743		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3067996	45806	61.7	18.136	743							
Dry Bulb	1798389	35743	48.1	10.313	743		5.1	4.1	1.3			93
Wet Bulb	1361515	31197	42.0	8.341	743		12.8					93
Dew Point	949175	25539	34.4	9.805	743		40.8					93

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

...L HAL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14 | HECTOR APT FARGO ND | 73-80 | OCT
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
7../ 73									.1									1	1		
7../ 71									.4									3	3		
7 / 69						.1			.3									3	3		
6../ 65		.4		.3	.1				.5									10	10	3	3
6../ 63			.4			.1			.3									6	6		
6../ 61		.3	.3			.3	.1											7	7		
5 / 59		.3	.7		.5	.9	.4											21	21	9	
5../ 57		.3	.4	.3	1.2	.9	.3											25	25	6	5
5../ 55		.5	.9	.7	1.1	1.1												32	32	10	5
5../ 53	.3	.5	.7	1.1	1.6	.3	.4	.1										37	37	17	12
5../ 51	.5	.4	1.5	1.6	1.6	.9	.1											50	50	21	17
5 / 49	.5	.3	1.1	1.3	1.6	1.1	.3											46	46	49	11
4../ 47		1.2	1.6	1.5	.9	.5	.1											44	44	38	8
4../ 45		.8	1.2	1.3	1.1	.7												38	38	51	16
4../ 43	.3	2.3	3.1	2.0	.9	.3												66	66	46	40
4../ 41	.3	3.0	3.9	2.4	1.1													79	79	59	36
4../ 39	.9	1.1	3.1	1.5	.5	.3												55	55	85	49
3../ 37	.3	2.8	2.3	.9														47	47	71	61
3../ 35	.7	1.9	2.0	.3	.1													37	37	72	70
3../ 33	.7	2.4	1.6	.3														37	37	55	66
3../ 31	.5	3.8	2.0	.1														48	48	52	74
2../ 29		.9	1.3	.1														18	18	38	56
2 / 27		1.2	1.3															19	19	21	51
2../ 25		.3	.4															5	5	25	42
2../ 23			.1															1	1	4	35
2../ 21			.1															1	1	3	34
1../ 19			.3															2	2		18
1 / 17		.1	.3															3	3	3	7
1../ 15		.4																3	3	3	10
1../ 13																				3	8
1../ 11																					1
../ 7																					6
../ 5																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...L ...AL CLIMATOLOGY BRANCH
...SFETAC
A... ...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 | HECTOR APT FARGO ND | 73-80 | OCT
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	5.0	25.1	30.6	15.7	12.5	7.5	1.7	.1	1.6									744	744	744	744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3734646	51288	68.9	16.369	744							
Dry Bulb	1499429	32601	43.8	9.769	744		12.5	.9	.1			93
Wet Bulb	1206467	29307	39.4	8.368	744		19.0					93
Dew Point	901772	24924	33.5	9.483	744		43.1					93

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

2

...AL CLIMATOLOGY BRANCH
...AFETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
OCT — MONTH
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 87														.0				1	1		
6/ 85												.0	.1	.0				7	7		
4/ 83												.0	.1					5	5		
-2/ 81												.1	.0					7	7		
/ 79										.1	.1	.1	.0					14	14		
7 / 77									.0	.1	.1	.1	.0					18	18		
6/ 75								.0	.1	.1	.1	.1						21	21		
4/ 73							.0	.0	.2	.1	.1	.0						29	29		
2/ 71						.0	.1	.2	.3	.1	.0	.0						42	42		
7 / 69					.1	.2	.1	.3	.3	.2	.0							68	68		
6 / 67				.0	.1	.1	.2	.3	.4	.2								78	78		
6/ 65	.0	.2		.1	.1	.2	.3	.2	.3	.1	.0							94	94	11	10
4/ 63	.1	.1	.2	.2	.2	.3	.4	.4	.3	.1	.0							136	136	9	9
2/ 61	.1	.2	.3	.1	.2	.4	.6	.4	.0	.0								133	133	45	5
/ 59	.0	.2	.3	.2	.4	.7	.7	.3	.2									173	173	87	12
5/ 57		.3	.2	.4	.8	.9	.6	.3	.1									211	211	109	28
56/ 55	.1	.6	.2	.7	.8	1.1	.7	.2										261	261	134	51
4/ 53	.3	.5	.4	1.2	1.1	.8	.7	.2	.0									312	312	185	86
2/ 51	.6	.5	.8	.8	1.2	1.0	.4	.1										314	314	234	106
5 / 49	.3	.2	1.2	1.4	1.4	.6	.2	.0										313	313	318	95
4/ 47	.2	.9	.9	1.6	1.2	.6	.0											326	326	332	111
46/ 45	.2	1.1	1.7	2.1	1.1	.4												385	385	379	187
44/ 43	.1	1.7	2.4	1.9	.7	.3												417	417	435	268
42/ 41	.2	2.4	3.2	1.8	.5	.2												499	499	511	308
4 / 39	.8	2.2	2.8	1.0	.4	.1												433	433	624	374
3/ 37	.3	2.5	2.0	.8	.2													341	341	550	476
7/ 35	.4	2.2	1.7	.6	.2													300	300	451	574
34/ 33	.7	2.5	1.5	.4	.1	.0												307	307	412	576
2/ 31	.8	2.4	1.2	.2	.0													272	272	378	672
/ 29	.3	1.3	.6	.2														141	141	271	453
/ 27	.1	.9	.5	.0														87	87	148	389
/ 25	.1	.5	.4															56	56	113	334
/ 23	.1	.3	.1															31	31	64	197
2/ 21	.1	.5	.1															47	47	54	181

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | OCT MONTH

ALL HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
20 / 19	.2	.3	.1															34	34	44	135
18 / 17	.0	.1	.0															7	7	16	84
16 / 15		.3																16	16	7	78
14 / 13		.1																6	6	17	59
12 / 11		.1																7	7	6	36
10 / 9		.0																1	1	5	17
8 / 7		.0																1	1	2	18
6 / 5																					13
4 / 3																					8
2 / 1																					1
TOTAL	5.9	25.0	22.9	15.6	10.6	7.8	5.1	2.9	2.0	1.1	.4	.4	.2	.0				5951	5951	5951	5951

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	28478958	395714	66.5	19.079	5951							
Dry Bulb	13184396	271304	45.6	11.709	5951		88.3	36.3	12.8	2.9		744
Wet Bulb	10165770	240030	40.3	9.022	5951		140.6					744
Dew Point	7314875	200991	33.8	9.407	5951		334.4					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 73-80 | NOV
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
4 / 53			.6															4	4		
2 / 51		.8	.4			.1												10	10		
5 / 49		.1	.1				.1											3	3	10	
4 / 47				.4	.1	.1												5	5	5	10
4 / 45			.4	1.1			.1											12	12		2
4 / 43		.3	.7	.4														10	10	1	2
2 / 41			.7	.4	.3	.1												11	11	12	1
4 / 39	.8	1.4	.6	.7														25	25	18	9
3 / 37	.1	2.1	.8	.8	.6													32	32	25	3
1 / 35	.1	1.5	1.3	.3	.3													25	25	21	22
34 / 33	.8	4.0	1.4	.1														46	46	42	23
2 / 31	1.9	6.9	1.7	.4	.1													80	80	58	54
3 / 29	1.5	3.3	.8	.6														45	45	75	44
0 / 27	1.8	4.0	1.0	.1														50	50	52	40
2 / 25	1.4	5.7	.6															55	55	45	54
24 / 23	.7	5.3	.4															46	46	75	44
2 / 21	2.2	2.9		.1														38	38	46	40
/ 19	3.1	3.3	.1	.1														48	48	40	69
1 / 17	.8	3.8	.4															36	36	38	55
14 / 15	.3	1.8																15	15	25	38
14 / 13	1.0	2.1	.1															23	23	22	41
12 / 11	1.9	.8																20	20	23	26
1 / 9	1.1	1.8																21	21	16	21
/ 7	.4	1.3																12	12	18	24
/ 5		.3																2	2	6	19
4 / 3	.1	1.0																8	8	8	11
/ 1		.6																4	4	5	13
/ -1	1.0																	7	7	7	7
- / -3	.4	.7																8	8	6	7
- / -5	.3	.1																3	3	5	3
- / -7	.7																	5	5	5	2
- / -9	.7																	5	5	5	7
-1 / -11	.4																	3	3	3	2
-1 / -13	.3																	2	2	2	3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
NOV — MONTH

0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-15/-15	.1																	1	1	1	7
-17/-17																					5
-19/-19																					6
-21/-21																					6
TOTAL	24.2	56.0	12.1	5.7	1.4	.4	.3										720		720		720

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4564051	56507	78.5	13.409	720							
Dry Bulb	564497	18173	25.2	12.131	720	4.3	67.1					90
Wet Bulb	494103	17019	23.6	11.300	720	4.3	73.3					90
Dew Point	379040	13780	19.1	12.664	720	6.9	81.0					90

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

[illegible] AL CLIMATOLOGY BRANCH
[illegible]ETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
NOV — MONTH

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]4/ 53			.3	.1													3	3		
[illegible]2/ 51		.6															4	4		
5[illegible] / 49		.6			.1												5	5	6	
4[illegible] / 47		.1															1	1	5	5
4[illegible] / 45		.1	.3	.4	.1												7	7	1	5
44/ 43			.8	.3	.1												9	9	1	3
[illegible]2/ 41		.7	1.1	.6	.4												20	20	5	1
4[illegible] / 39	.6	1.4	.3	.7	.1												22	22	17	5
3[illegible] / 37	.6	1.1	.3		.3												16	16	24	5
3[illegible] / 35	.3	1.5	.4	.1	.3												19	19	23	20
34/ 33	.6	4.0	.7	.7	.4												46	46	26	21
[illegible]2/ 31	1.5	6.4	1.9	.3													73	73	47	43
[illegible]/ 29	2.4	3.9	1.1	.4													56	56	78	32
2[illegible] / 27	1.4	5.7	.7	.3													58	58	59	56
[illegible]/ 25	1.5	4.6	.4														47	47	56	53
24/ 23	.6	6.8	.4														56	56	68	29
22/ 21	1.3	2.6		.3													30	30	44	43
2[illegible] / 19	4.6	2.9		.1													55	55	48	76
1[illegible] / 17	2.5	1.9	.1														33	33	44	50
1[illegible] / 15	.3	2.8															22	22	16	58
14/ 13	.8	1.0															13	13	24	30
1[illegible] / 11	1.8	1.1															21	21	16	19
10/ 9	1.8	1.3															22	22	22	31
[illegible]/ 7	1.1	1.9															22	22	22	29
[illegible]/ 5	.7	.6															9	9	16	9
4/ 3	.4	1.3															12	12	12	18
[illegible]/ 1	.1	.3															3	3	3	19
[illegible]/ -1	.4																3	3	4	9
-[illegible]/ -3	.4	.3															5	5	4	10
-4/ -5	.6																4	4	5	6
-[illegible]/ -7	1.5	.1															12	12	12	3
-[illegible]/ -9	.8																6	6	6	1
-1[illegible]/-11																				2
-1[illegible]/-13																				5

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

1-914 HECTOR APT FARGO ND 73-80 NOV
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-14/-15	.6																	4	4	4	3
-16/-17	.3																	2	2	2	10
-18/-19																					7
-20/-21																					2
-22/-23																					3
-24/-25																					2
TOTAL	29.3	55.6	8.9	4.3	1.9														720		720
																		720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4675093	57295	79.6	12.689	720							
Dry Bulb	518616	17202	23.9	12.235	720	4.5	71.0					90
Wet Bulb	459585	16193	22.5	11.519	720	4.6	76.5					90
Dew Point	358004	13112	18.2	12.877	720	7.9	81.9					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
52/ 51		.4	.1															4	4		
50/ 49		.7		.1	.1	.1												8	8	3	
48/ 47		.1		.1														2	2	7	4
46/ 45		.3			.1													3	3	2	6
44/ 43			.6															4	4	1	2
42/ 41	.1	.6	1.3	.4	.1													18	18	5	2
40/ 39		1.1	.6	1.1														20	20	12	1
38/ 37	.4	1.1	.6	.1														16	16	17	3
36/ 35	.7	1.8	.1		.1													20	20	23	24
34/ 33	.8	3.8	1.3	.4	.1													46	46	35	15
32/ 31	1.9	4.7	1.1															56	56	47	48
30/ 29	3.6	3.8	2.9	.1														75	75	71	36
28/ 27	1.8	3.5	.6															42	42	51	58
26/ 25	1.7	5.1	.4	.1														53	53	53	42
24/ 23	1.8	6.0	.3	.3														60	60	79	23
22/ 21	1.9	2.9	.3															37	37	46	57
20/ 19	2.9	2.5	.1															40	40	42	67
18/ 17	1.5	2.9																32	32	30	52
16/ 15	1.8	3.6																39	39	36	47
14/ 13	1.1	1.3																17	17	24	46
12/ 11	1.5	1.0																18	18	23	20
10/ 9	1.1	.8																14	14	12	31
8/ 7	1.3	2.4																26	26	21	25
6/ 5	.6	.6																8	8	17	7
4/ 3	1.0	1.7																19	19	16	16
2/ 1	.7	.6																9	9	13	14
0/ -1	.3																	2	2	2	13
-2/ -3	.4																	3	3	3	17
-4/ -5	.8																	6	6	6	8
-6/ -7	1.0																	7	7	7	2
-8/ -9	.4																	3	3	3	2
-10/-11	.6																	4	4	4	3
-12/-13	.4																	3	3	3	3
-14/-15	.6																	4	4	4	4

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
NOV — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-16/-17	.1																	1	1	1	6
-18/-19	.1																	1	1	1	4
-20/-21																					3
-22/-23																					5
-24/-25																					3
-26/-27																					1
TOTAL	33.1	53.1	10.1	2.9	.7	.1												720	720	720	720

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4783668	58066	80.6	11.841	720							
Dry Bulb	493000	16646	23.1	12.265	720	4.3	72.4					90
Wet Bulb	442067	15755	21.9	11.634	720	4.3	76.9					90
Dew Point	350470	12852	17.9	12.976	720	9.3	82.9					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
NOV — MONTH

0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 63								.1										1	1		
[illegible] / 59			.1				.1	.1										3	3		
[illegible] / 57						.1												1	1		
5[illegible] / 55		.1																1	1	1	
[illegible] / 53		.3		.1	.1	.3	.3											8	8	1	
[illegible] / 51		.6		.1	.3													7	7	2	2
5[illegible] / 49		.1		.6	.1	.1												7	7	7	5
4[illegible] / 47		.1	.6	.3		.1	.1											9	9	5	2
4[illegible] / 45			.7	.8	.6	.3	.1											18	18	4	
[illegible]4 / 43		.6	.3	.4	.3	.3												13	13	10	1
[illegible] / 41		1.1	1.1	1.1		.1												25	25	16	5
4 / 39	.1	.6	1.1	.4	.4													19	19	23	11
3[illegible] / 37		1.5	.7	.4	.3													21	21	21	14
[illegible] / 35	.8	2.2	1.4	.6														36	36	35	24
34 / 33	1.0	3.8	1.3	.7	.1													49	49	39	21
[illegible]2 / 31	1.4	5.0	2.1	.6														65	65	53	53
[illegible] / 29	2.5	4.3	2.1	.4	.1													68	68	70	50
2[illegible] / 27	1.3	6.0	.3	.1														55	55	61	49
2[illegible] / 25	.8	5.3	.1	.1														46	46	61	39
24 / 23	.3	3.5	.8															33	33	55	33
2[illegible] / 21	1.4	2.6	.1															30	30	35	62
2[illegible] / 19	1.9	3.5	.4															42	42	43	59
1[illegible] / 17	.7	3.2	.1															29	29	29	50
1[illegible] / 15	.7	3.8																32	32	30	51
14 / 13	.1	1.7																13	13	21	24
1[illegible] / 11	.7	1.4																15	15	20	29
1[illegible] / 9	.7	.7																10	10	9	25
[illegible] / 7	1.0	.8																13	13	14	24
[illegible] / 5	.1	1.0																8	8	12	13
4 / 3	.1	1.3																10	10	7	12
[illegible] / 1		1.0																7	7	5	9
[illegible] / -1	.8	.1																7	7	11	7
-[illegible] / -3	.3	.1																3	3	4	5
-[illegible] / -5	.7																	5	5	5	4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

...AL CLIMATOLOGY BRANCH
...FETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | NOV MONTH

PAGE 2 | 0900-1100 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
- / -7	.4																		3	3	3	5
-8 / -9	.4																		3	3	3	9
-10 / -11	.3																		2	2	2	4
-12 / -13	.3																		2	2	2	6
-14 / -15	.1																		1	1	1	2
-16 / -17																						2
-18 / -19																						4
-20 / -21																						3
-22 / -23																						2
TOTAL	1.0	56.1	13.3	6.8	2.4	1.4	.7	.3												720		720
																			720		720	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4331921	54959	76.3	13.793	720							
Dry Bulb	630980	19258	26.7	12.695	720	3.3	62.8					90
Wet Bulb	536548	17820	24.8	11.525	720	3.9	69.5					90
Dew Point	397266	14300	19.9	12.550	720	6.6	79.4					90

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

...AL CLIMATOLOGY BRANCH
...FETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

1-214 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | NOV MONTH

 1200-140... 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 Poi...
...1											.1							1	1	
... 69								.1										1	1	
... 67							.1			.1								2	2	
...6/ 65						.1	.1		.3	.6								8	8	
...4/ 63					.1	.1		.1	.1									4	4	
...2/ 61						.1												1	1	
... 59				.3		.1	.1	.4										7	7	
... 57				.1	.3	.3	.6	.3										11	11	2
5... 55		.1	.4	.1	.4	.3	.3											12	12	3
...4/ 53		.3		.6	.4	.6	.3	.3										17	17	5
...2/ 51			.3	.4	.7	.1	.1											12	12	9
5 / 49			.1	.1	1.3	.3	.1	.6										18	18	12
... 47				.7	.8	.3	.4											16	16	13
4... 45		.6	.3	1.0	.6	.1	.3											20	20	19
...4/ 43		.1	1.4	.8	1.0	.6												28	28	16
...2/ 41			1.0	1.5	.4	.1												22	22	25
4... 39		.3	1.5	1.0	.8	.1												27	27	26
3... 37		1.1	.4	.8	.4													20	20	28
...0/ 35	.6	2.6	1.7	.6	.4													42	42	42
34/ 33	1.0	2.8	2.6	.6	.4													53	53	55
...2/ 31	.7	6.1	3.2	.3	.1													75	75	53
3... 29	.3	3.8	2.4	.4	.1													50	50	69
... 27	.6	3.9	1.8															45	45	55
...e/ 25	.1	3.3	.8	.3														33	33	60
24/ 23		2.5	1.3															27	27	32
...2/ 21	.6	3.8	1.1	.1														40	40	39
... 19	1.0	3.3	.3															33	33	39
1... 17	.7	1.7	.3															19	19	33
1... 15	.1	1.8																14	14	14
14/ 13	.3	.4																5	5	11
1... 11	.6	.3																6	6	7
1... 9	.1	1.0																8	8	4
... 7	.1	1.0																8	8	11
... 5		.7																5	5	8

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

USAFETAC

2

...AL CLIMATOLOGY BRANCH
USAFETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1...14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | NOV MONTH

PAGE 2 | 1200-1400 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
.../ 3		1.8																13	13	9	7
.../ 1		1.3																9	9	11	9
.../ -1	.1	.4																4	4	3	7
-.../ -3		.3																2	2	3	3
-.../ -5	.1	.1																2	2	3	4
-.../ -7																				1	7
-.../ -9																					8
-1.../ -11																					4
-1.../ -13																					1
-1.../ -15																					3
-1.../ -17																					2
-1.../ -19																					2
TOTAL	6.9	45.3	20.8	9.7	8.3	3.3	2.5	1.8	.4	.7	.1							720		720	
																		720		720	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3538108	49004	68.1	16.796	720							
Dry Bulb	879099	23089	32.1	13.888	720	1.0	49.8	.5				90
Wet Bulb	681116	20526	28.5	11.552	720	1.3	58.1					90
Dew Point	442626	15656	21.7	11.922	720	5.1	74.8					90

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

USAFETAC
AT[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]14 | HECTOR APT FARGO ND | 73-80 | NOV

STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point	
[illegible]/ 73												.1						1	1		
7[illegible]/ 71											.1							1	1		
7[illegible]/ 69								.6			.1							5	5		
[illegible]/ 67							.3			.1								3	3		
[illegible]/ 65						.1			.1									2	2		
[illegible]/ 63							.1	.1	.1									3	3		
[illegible]/ 61					.1			.3	.3									5	5		
[illegible]/ 59							.6	.4										7	7		
[illegible]/ 57			.3		.4	.8	.4	.1										15	15	3	
5[illegible]/ 55		.1	.3	.1	.3	1.0	.4	.1										17	17	4	
[illegible]/ 53			.3	.6	.1	.4	.4	.3										15	15	5	
[illegible]/ 51			.4	.1	.4	.3	.1											10	10	6	3
5[illegible]/ 49			.1	.1	.4	.4	.1	.4										12	12	14	4
4[illegible]/ 47		.1	.1	1.1	.6	.6	.4	.3										23	23	18	2
[illegible]/ 45		.1	.7	.4	.6	.1	.3											16	16	21	9
[illegible]/ 43			1.4	1.1	.6	1.0												29	29	13	8
[illegible]/ 41			1.0	1.0	.1	.4												18	18	21	3
[illegible]/ 39		.4	.6	.8	1.0													20	20	25	8
[illegible]/ 37		1.5	.4	.6	.3													20	20	29	18
[illegible]/ 35	.3	3.2	2.1	1.5	.3	.3												55	55	34	24
34/ 33	1.1	4.9	1.7	1.0	.1	.1												64	64	58	35
[illegible]/ 31	.6	3.6	2.6	.7	.1													55	55	69	62
[illegible]/ 29	.4	4.3	2.4	.1	.1													53	53	53	34
[illegible]/ 27		4.4	1.4	.4														45	45	60	51
[illegible]/ 25		4.2	1.1	.3														40	40	57	55
24/ 23		3.6	1.4															36	36	41	36
22/ 21	.6	2.9	1.0															32	32	41	47
[illegible]/ 19	.7	2.9	.6															30	30	33	65
[illegible]/ 17	.4	1.4	.3															15	15	34	51
1[illegible]/ 15		1.0	.1															8	8	14	36
14/ 13	.1	1.3																10	10	3	42
1[illegible]/ 11	.4	.6																7	7	13	18
[illegible]/ 9	.1	.7																6	6	6	15
[illegible]/ 7		1.4																10	10	6	15

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 73-80 NOV
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 5		.8																6	6	10	15
-/ 3	.1	1.1																9	9	9	14
·/ 1	.1	1.3																10	10	12	10
·/ -1	.1	.3																3	3	2	8
-·/ -3		.6																4	4	5	4
-·/ -5																				1	2
-·/ -7																					8
- / -9																					5
-1 /-11																					7
-1./-13																					1
-1·/-15																					2
-1·/-17																					1
-1 /-19																					1
-·/-21																					1
TOTAL	5.1	46.7	20.1	10.0	5.6	5.6	3.2	2.6	.6	.1	.3	.1						720	720	720	720

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3444755	48205	67.0	17.387	720							
Dry Bulb	901844	23398	32.5	14.027	720	.9	47.4	1.3	.1			90
Wet Bulb	689525	20679	28.7	11.531	720	1.0	58.6					90
Dew Point	440177	15575	21.6	11.984	720	5.0	75.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]14 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
NOV — MONTH
PAGE 1
1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]4/ 63					.1				.1									2	2		
[illegible]2/ 61					.1	.1												2	2		
[illegible]0/ 59				.1	.1													2	2		
[illegible]8/ 57					.1	.4	.1											5	5		
5[illegible]/ 55			.3		.1	.1	.1											5	5	1	
[illegible]4/ 53		.1	.7	.1	.3	.4	.3											14	14	5	
[illegible]2/ 51			.1	.4	.4	.1												8	8	2	2
5[illegible]/ 49			.1	.4	.7	.3												11	11	10	4
[illegible]6/ 47		.6		.1	.6	.1												10	10	5	4
[illegible]4/ 45		.1	1.0	.6	.1			.1										14	14	14	4
[illegible]4/ 43		.3	.8	.3	.3	.1		.1										14	14	10	5
[illegible]2/ 41		.3	.8	.6	.7	.4	.3											22	22	20	4
[illegible]0/ 39		.8	1.0	1.3		.3												24	24	18	7
[illegible]6/ 37		1.5	.6	.8														21	21	15	12
[illegible]2/ 35	.1	2.6	.8	1.0	.1													34	34	28	17
[illegible]4/ 33	.8	4.0	1.3	.3	.1													47	47	50	37
[illegible]2/ 31	1.7	5.0	1.3	.6														61	61	58	57
[illegible]/ 29	1.3	6.8	.7	.3														65	65	59	35
[illegible]/ 27	1.1	4.2	2.2	.3														56	56	70	44
[illegible]/ 25	.3	5.4	.8	.3														49	49	46	54
[illegible]/ 23		4.3	.4	.1														35	35	58	47
[illegible]/ 21	1.5	3.8	.4	.1														42	42	54	39
[illegible]/ 19	1.7	3.1	.8															40	40	36	56
[illegible]/ 17	.8	3.3	.4															33	33	34	49
[illegible]/ 15	.7	2.6																24	24	36	54
[illegible]/ 13	.1	1.7																13	13	16	35
[illegible]/ 11	.6	.6																8	8	14	22
[illegible]/ 9	.1	.7																6	6	4	30
[illegible]/ 7		.7																5	5	6	17
[illegible]/ 5		1.0																7	7	10	14
[illegible]/ 3	.4	1.0																10	10	6	7
[illegible]/ 1		1.7																12	12	10	13
[illegible]/ -1	.6	.1																5	5	10	5
[illegible]/ -3	.4	.8																9	9	5	6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

OL AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 73-80 NOV
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-9 / -5	.4																	3	3	8	7
-6 / -7	.3																	2	2	2	11
-8 / -9																					3
-10 / -11																					7
-12 / -13																					2
-14 / -15																					6
-16 / -17																					3
-18 / -19																					1
TOTAL	12.9	57.1	14.6	7.6	4.0	2.5	.8	.3	.1									720	720		720
																		720		720	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4100122	53250	74.0	15.003	720							
Dry Bulb	687296	20280	28.2	12.706	720	2.4	60.6					90
Wet Bulb	570678	18570	25.8	11.295	720	3.1	67.8					90
Dew Point	405515	14631	20.3	12.267	720	6.4	78.0					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]14 | HECTOR APT FARGO ND | 73-80 | NOV
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
[illegible] / 59						.1		.1										2	2		
5[illegible] / 57			.1				.1											2	2		
5[illegible] / 55			.1		.1		.1	.1										4	4		
[illegible]4 / 53		.3	.7		.1	.3	.1											11	11	1	
[illegible]2 / 51			.4	.3		.1												6	6	4	
5[illegible] / 49					.4													3	3	6	4
4[illegible] / 47			.3	.4	.3													7	7	3	6
4[illegible] / 45			.7	.8														11	11	6	2
[illegible]4 / 43		.3	.4	.1														6	6	8	1
[illegible] / 41		.4	1.7		.3	.3												19	19	17	2
4 / 39	.4	.8	.8	.7	.1	.1	.1											23	23	16	6
3[illegible] / 37	.1	1.0	1.0	1.5	.4	.1												30	30	18	13
[illegible] / 35	.4	1.9	1.4	.6	.3													33	33	15	15
34 / 33	1.0	4.2	1.9	.1	.3													54	54	50	31
[illegible]2 / 31	2.1	4.9	2.1	.1														66	66	65	53
[illegible] / 29	1.1	4.0	.8	.1														44	44	63	40
2[illegible] / 27	1.1	4.6	.8															47	47	59	46
2[illegible] / 25	.4	4.9	1.4															48	48	48	43
2[illegible] / 23	.6	4.6	.7															42	42	51	32
22 / 21	1.9	3.1	.3	.1														39	39	49	63
2[illegible] / 19	1.9	3.6	.7	.1														46	46	39	58
1[illegible] / 17	.7	5.1	.1															43	43	34	40
1[illegible] / 15	1.3	1.3																18	18	45	48
14 / 13	.7	2.6																24	24	14	47
1[illegible] / 11	1.0	1.4																17	17	29	23
1[illegible] / 9	.7	.8																11	11	14	22
[illegible] / 7	.3	1.4																12	12	9	26
[illegible] / 5	.1	.3																3	3	7	19
[illegible] / 3		.7																5	5	5	12
[illegible] / 1	.3	1.0																9	9	9	10
[illegible] / -1	1.0	.6																11	11	8	5
-[illegible] / -3	.7	.6																9	9	12	10
-[illegible] / -5	.7	.1																6	6	6	6
-[illegible] / -7	1.0																	7	7	8	3

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | NOV MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-[illegible] / -9																					6
-[illegible] / -11	.1																	1	1	1	6
-1[illegible] / -13																					6
-1[illegible] / -15																					7
-1[illegible] / -17																					4
-1[illegible] / -19																					2
-[illegible] / -21																					2
TOTAL	19.6	54.4	16.6	5.1	2.4	1.1	.6	.3											719		719
																		719		719	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4367116	55142	76.7	13.870	719							
Dry Bulb	598175	18677	26.0	12.546	719	4.3	63.6					90
Wet Bulb	510920	17318	24.1	11.429	719	4.4	72.0					90
Dew Point	378019	13821	19.2	12.509	719	7.1	80.0					90

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

USAFETAC CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | NOV MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73												.0						1	1		
72/ 71											.0							2	2		
70/ 69								.1			.0							6	6		
68/ 67							.1			.0								5	5		
66/ 65						.0	.0		.1	.1								10	10		
64/ 63					.0	.0	.0	.1	.1									10	10		
62/ 61					.0	.0		.0	.0									8	8		
60/ 59			.0	.1	.0	.0	.1	.1										21	21		
58/ 57			.1	.0	.1	.2	.2	.1										34	34	5	
56/ 55		.1	.1	.0	.1	.2	.1	.0										39	39	9	
54/ 53		.1	.3	.2	.1	.2	.2	.1										72	72	17	
52/ 51		.3	.2	.2	.2	.1	.0											61	61	23	10
50/ 49		.2	.1	.2	.4	.2	.1	.1										67	67	68	23
48/ 47		.1	.1	.4	.3	.2	.1	.0										73	73	61	35
46/ 45		.2	.5	.6	.3	.1	.1	.0										101	101	67	30
44/ 43		.2	.8	.4	.3	.2		.0										113	113	60	32
42/ 41	.0	.4	1.1	.7	.3	.2	.0											155	155	121	26
40/ 39	.2	.9	.8	.8	.3	.1	.0											180	180	155	52
38/ 37	.2	1.4	.6	.6	.3	.0												176	176	177	80
36/ 35	.4	2.2	1.1	.6	.2	.0												264	264	221	174
34/ 33	.9	3.9	1.5	.5	.2	.0												405	405	355	229
32/ 31	1.5	5.3	2.0	.4	.1													531	531	450	428
30/ 29	1.6	4.3	1.6	.3	.1													456	456	538	299
28/ 27	1.1	4.5	1.1	.2														398	398	467	398
26/ 25	.8	4.8	.7	.1														371	371	426	405
24/ 23	.5	4.6	.7	.1														335	335	459	282
22/ 21	1.4	3.1	.4	.1														288	288	354	387
20/ 19	2.2	3.1	.4	.1														334	334	320	508
18/ 17	1.0	2.9	.2															240	240	276	402
16/ 15	.6	2.3	.0															172	172	216	378
14/ 13	.5	1.5	.0															118	118	135	300
12/ 11	1.1	.9																112	112	145	183
10/ 9	.7	1.0																98	98	87	188
8/ 7	.5	1.4																108	108	107	180

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...AL CLIMATOLOGY BRANCH
...FETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | NOV 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
[illegible] / 5	.2	.6																48	48	86	105
[illegible] / 3	.3	1.2																86	86	72	97
[illegible] / 1	.2	.9																63	63	68	94
[illegible] / -1	.5	.2																42	42	47	61
-[illegible] / -3	.3	.4																43	43	42	62
-[illegible] / -5	.5	.1																29	29	39	40
-[illegible] / -7	.6	.0																36	36	38	41
-[illegible] / -9	.3																	17	17	17	41
-1 / -11	.2																	10	10	10	35
-1[illegible] / -13	.1																	7	7	7	27
-14 / -15	.2																	10	10	10	34
-1[illegible] / -17	.1																	3	3	3	33
-1[illegible] / -19	.0																	1	1	1	27
-[illegible] / -21																					17
-22 / -23																					10
-24 / -25																					5
-2[illegible] / -27																					1
TOTAL	18.8	53.0	14.6	6.5	3.3	1.8	1.0	.7	.1	.1	.1	.0							5759		5759
																		5759		5759	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3380483	432428	75.1	15.226	5759							
Dry Bulb	5273507	156723	27.2	13.234	5759	24.8	494.6	1.8	.1			720
Wet Bulb	4384542	143880	25.0	11.713	5759	26.8	552.6					720
Dew Point	3151117	113727	19.7	12.539	5759	54.3	633.6					720

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

...AL CLIMATOLOGY BRANCH
...AFETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
DEC — MONTH

PAGE 1
0000-0200 — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
44/ 43			.3															2	2		
42/ 41			.1															1	1		
40/ 39																				2	
38/ 37																				1	
36/ 35																					1
34/ 33	.3	1.2	.3															13	13	8	3
32/ 31	.7	2.0																20	20	14	15
30/ 29	1.3	2.2																26	26	24	11
28/ 27	1.5	2.7																31	31	36	19
26/ 25	2.2	4.8	.3															54	54	30	20
24/ 23	2.0	3.6	.1															43	43	58	35
22/ 21	3.4	2.8																46	46	55	50
20/ 19	3.0	2.7																42	42	37	43
18/ 17	2.0	3.9																44	44	42	42
16/ 15	3.0	3.4																47	47	48	37
14/ 13	3.2	1.7	.1															38	38	43	48
12/ 11	2.4	1.5	.3															31	31	29	38
10/ 9	2.2	2.3																33	33	35	37
8/ 7	.9	3.1																30	30	28	31
6/ 5	.3	2.7																22	22	27	19
4/ 3	.8	3.1																29	29	27	22
2/ 1	.1	4.2																32	32	31	18
0/ -1	1.9	1.2																23	23	24	23
-2/ -3	1.3	1.2																19	19	23	16
-4/ -5	2.0	.5																19	19	20	15
-6/ -7	2.6	.1																20	20	23	23
-8/ -9	3.2																	24	24	24	17
-10/-11	2.3																	17	17	17	20
-12/-13	1.2																	9	9	9	19
-14/-15	1.3																	10	10	10	18
-16/-17	.8																	6	6	6	15
-18/-19	.4																	3	3	3	27
-20/-21	.1																	1	1	1	22
-22/-23	.4																	3	3	3	17

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 73-80 | DEC
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-24/-25	.8																	6	6	6	6
-26/-27																					7
-28/-29																					1
-30/-31																					3
-32/-33																					3
-34/-35																					1
-36/-37																					2
TOTAL	47.6	50.9	1.5																744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4572966	57478	77.3	13.353	744							
Dry Bulb	240650	8896	12.0	13.443	744	20.0	91.0					93
Wet Bulb	224778	8420	11.3	13.201	744	21.1	91.6					93
Dew Point	218761	4531	6.1	16.040	744	31.9	92.5					93

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

2

...AL CLIMATOLOGY BRANCH
...ETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
DEC — 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
4 / 39			.1															1	1		
3 / 37			.1															1	1		
[illegible] / 35			.1															1	1	1	
34 / 33	.4	.9																10	10	8	3
32 / 31	1.1	1.9	.1															23	23	15	11
[illegible] / 29	1.3	1.2																19	19	24	25
2[illegible] / 27	1.5	2.3																28	28	22	9
2[illegible] / 25	1.7	3.4																38	38	38	22
24 / 23	2.4	2.7																38	38	39	23
[illegible]2 / 21	3.6	3.8																55	55	56	43
[illegible] / 19	3.6	3.8																55	55	47	39
1 / 17	1.5	4.0	.1															42	42	39	47
1[illegible] / 15	3.5	4.4	.3															61	61	56	43
1[illegible] / 13	2.3	1.3	.3															29	29	45	55
1[illegible] / 11	1.9	2.0																29	29	30	42
1 / 9	1.2	2.3																26	26	27	25
[illegible] / 7	1.1	3.2																32	32	34	23
[illegible] / 5	1.1	3.0																30	30	31	19
[illegible] / 3	.9	1.6																19	19	21	25
[illegible] / 1	.1	4.0																31	31	25	36
[illegible] / -1	1.1	1.1																31	32	33	23
-[illegible] / -3	.9	1.3																17	17	19	10
-[illegible] / -5	3.1	.5																26	26	28	14
-[illegible] / -7	1.5																	11	11	15	17
-[illegible] / -9	2.7																	20	20	20	30
-[illegible] / -11	3.1																	23	23	23	16
-1[illegible] / -13	1.6																	12	12	12	13
-1[illegible] / -15	1.9																	14	14	14	17
-1[illegible] / -17	.8																	6	6	6	18
-1[illegible] / -19	.4																	3	3	3	23
-[illegible] / -21	.5																	4	4	4	21
-[illegible] / -23	.5																	4	4	4	18
-2[illegible] / -25	.4																	3	3	3	15
-2[illegible] / -27	.1																	1	1	1	4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

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

PSYCHROMETRIC SUMMARY

1-...14 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | DEC MONTH

PAGE 2 | 0300-0500 HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
-...-29																					4
-...-31																					5
-...-33																					1
-34/-35																					3
-...-37																					1
TOTAL	40.9	48.9	1.2																744		743
																		743		743	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4588120	57520	77.4	13.496	743							
Dry Bulb	228950	8362	11.2	13.478	744	22.0	91.4					93
Wet Bulb	215155	7925	10.7	13.268	743	23.2	91.9					93
Dew Point	215900	4048	5.4	16.163	743	31.7	92.6					93

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

2

...AL CLIMATOLOGY BRANCH
...FETAC
...WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

1...14 | HECTOR APT FARGO ND | 73-80 | DEC

STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 0600-08...

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew P...
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
3.../ 35			.1															1	1		
3.../ 33	.4	.8																9	9	6	
...2/ 31	1.2	2.6	.4															31	31	14	
...2/ 29	1.1	1.2																17	17	27	1
...2/ 27	2.2	2.3																33	33	33	1
2.../ 25	.8	1.5																17	17	22	2
2.../ 23	1.2	2.7																29	29	24	2
...2/ 21	3.6	3.9																56	56	57	3
... / 19	3.4	3.9																54	54	43	3
1... / 17	2.6	3.6	.1															47	47	55	4
1.../ 15	3.2	2.6	.5															47	47	45	4
1.../ 13	2.6	2.7																39	39	39	4
1.../ 11	2.2	1.3	.1															27	27	35	4
1... / 9	3.8	2.2																44	44	42	3
... / 7	1.3	3.5																36	36	35	2
... / 5	.7	2.3																22	22	30	3
... / 3	.3	2.0																17	17	16	2
... / 1	.4	4.6																37	37	26	2
... / -1	2.7	1.1																28	28	34	1
-... / -3	1.7	1.1																21	21	27	1
-... / -5	1.7	1.2																22	22	18	1
-... / -7	2.7	.3																22	22	27	1
-... / -9	2.7																	20	20	21	2
-1... / -11	2.2																	16	16	16	2
-1... / -13	1.7																	13	13	13	1
-1... / -15	1.7																	13	13	13	2
-1... / -17	.8																	6	6	6	1
-1... / -19	1.2																	9	9	9	2
-2... / -21	.3																	2	2	2	1
-2... / -23	.3																	2	2	2	1
-2... / -25	.5																	4	4	4	1
-2... / -27	.3																	2	2	2	1
-... / -29	.1																	1	1	1	
-... / -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. JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1... 14 | HECTOR APT FARGO ND | 73-80 | DEC
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 0600-0800
HOURS S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
-...-33																					3
-34-35																					2
-...-41																					1
TOTAL	51.5	47.2	1.3															744		744	
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4603807	57631	77.5	13.710	744							
Dry Bulb	219590	7928	10.7	13.485	744	22.6	91.8					93
Wet Bulb	206495	7497	10.1	13.276	744	24.4	92.3					93
Dew Point	212088	3630	4.9	16.174	744	32.8	92.6					93

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

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | DEC MONTH

PAGE 1 | 0900-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
4... / 39			.1															1	1		
3... / 37		.1	.1															2	2		
3... / 35		.4	.1															4	4	3	
3... / 33	.4	1.9	.7															22	22	12	5
3... / 31	.5	1.6	.1															17	17	17	14
3... / 29	1.5	2.0	.3															28	28	25	14
2... / 27	2.2	1.9	.1															31	31	35	22
2... / 25	1.3	1.7																23	23	25	31
2... / 23	1.9	2.7	.1															35	35	37	21
2... / 21	4.4	2.8																54	54	54	38
2... / 19	3.8	4.2	.1															60	60	50	39
1... / 17	2.2	4.3	.4															51	51	52	42
1... / 15	2.4	2.7	.3															40	40	44	45
1... / 13	1.3	3.6																37	37	27	52
1... / 11	2.3	1.6																29	29	45	23
1... / 9	3.1	2.4																40	40	33	42
... / 7	1.1	4.4																41	41	36	32
... / 5	.8	2.8																27	27	41	25
... / 3	.5	2.6																23	23	23	19
... / 1	.3	2.5																19	19	18	34
... / -1	3.1	.8																29	29	30	24
-... / -3	1.5	1.5																22	22	25	21
-... / -5	3.1	.1																24	24	27	16
-... / -7	2.8	.1																22	22	22	18
-... / -9	2.2																	16	16	16	16
-1... / -11	1.5																	11	11	11	23
-1... / -13	.9																	7	7	7	17
-1... / -15	.9																	7	7	7	28
-1... / -17	.9																	7	7	7	15
-1... / -19	.8																	6	6	6	18
-... / -21	.7																	5	5	5	8
-... / -23	.3																	2	2	2	11
-2... / -25	.1																	1	1	1	10
-2... / -27	.1																	1	1	1	9

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
DEC — MONTH

0900-1100 — HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
-[illegible]/-29																					5
-[illegible]/-31																					3
-[illegible]/-33																					3
-34/-35																					1
TOTAL	46.8	48.7	2.6															744			744
																	744		744		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4567495	57441	77.2	13.365	744							
Dry Bulb	239343	9089	12.2	13.141	744	20.0	89.4					93
Wet Bulb	222263	8591	11.5	12.870	744	20.9	91.1					93
Dew Point	211605	4701	6.3	15.647	744	30.8	92.4					93

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

2

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

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
DEC — MONTH

PAGE 1
1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
4[illegible] / 45				.3	.1													3	3		
44 / 43				.3														2	2		
[illegible] / 41			.7	.3														7	7		
4[illegible] / 39		.1	.1															2	2	4	
3[illegible] / 37		.5	1.2	.3														15	15	10	
3[illegible] / 35		1.2	1.6	.1														22	22	5	1
34 / 33	.7	2.6	1.5															35	35	34	8
[illegible]2 / 31	.9	2.0	2.2	.1														39	39	32	39
[illegible] / 29	1.6	1.7	.8															31	31	41	18
[illegible] / 27	1.6	2.8	.9															40	40	37	36
[illegible] / 25	2.2	3.0	.3															40	40	49	34
[illegible] / 23	1.1	2.3																25	25	34	34
[illegible]2 / 21	1.9	3.1	.7															42	42	45	34
[illegible] / 19	3.5	4.4	.8	.1														66	66	41	47
[illegible] / 17	1.3	3.0	.1															33	33	52	48
[illegible] / 15	.7	2.3	.3															24	24	26	37
[illegible] / 13	.5	4.7	.3															41	41	26	33
[illegible] / 11	.4	3.5	.1															30	30	37	18
[illegible] / 9	1.3	3.0																32	32	40	29
[illegible] / 7	.8	2.8																27	27	29	36
[illegible] / 5	.3	2.6																21	21	26	18
[illegible] / 3	.3	3.6																29	29	26	29
[illegible] / 1	.3	3.5																28	28	32	27
[illegible] / -1	2.8	.9																28	28	29	19
[illegible] / -3	.4	1.9																17	17	17	26
[illegible] / -5	1.7	.8																19	19	23	19
[illegible] / -7	1.1	.4																11	11	12	17
[illegible] / -9	1.9																	14	14	16	16
[illegible] / -11	1.1																	8	8	8	25
-1[illegible] / -13	.5																	2	2	2	16
-1[illegible] / -15	.4																	3	3	3	19
-1[illegible] / -17	.5																	4	4	4	15
-[illegible] / -19	.5																	4	4	4	16
-[illegible] / -21																					11

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 JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 73-80 DEC
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb Wet Bulb Dew Point
-21/-23																			6
-24/-25																			7
-26/-27																			2
-28/-29																			4
TOTAL	30.1	56.7	11.6	1.5	.1													744	744
																	744	744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4182065	54825	73.7	13.826	744							
Dry Bulb	331645	12137	16.3	13.412	744	13.8	82.3					93
Wet Bulb	292047	11227	15.1	12.847	744	14.8	86.4					93
Dew Point	240975	6821	9.2	15.497	744	27.3	91.9					93

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

2

...RAL CLIMATOLOGY BRANCH
...FETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 — STATION
HECTOR APT FARGO ND — STATION NAME
73-80 — YEARS
DEC — MONTH
PAGE 1
1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
4[illegible] / 45					.1													1	1		
44 / 43			.5	.3														6	6		
42 / 41		.1	.7	.3														8	8		
4[illegible] / 39		.1	.7	.1	.3													9	9	8	
3[illegible] / 37		.8	.9	.5														17	17	6	
[illegible] / 35		.4	1.7	.3														18	18	14	6
34 / 33	.9	3.0	1.3															39	39	26	9
[illegible] / 31	1.5	2.6	1.5	.3														43	43	51	40
[illegible] / 29	.8	1.1	.9															21	21	32	22
[illegible] / 27	2.2	4.3	.4															51	51	38	30
[illegible] / 25	1.2	3.6	.3															38	38	51	45
24 / 23	1.5	2.6	.3															32	32	41	28
22 / 21	1.9	2.3	1.2															40	40	42	37
[illegible] / 19	2.6	3.8	.5															51	51	41	48
1[illegible] / 17	2.3	3.1	.1															39	39	43	46
1[illegible] / 15		1.2	1.2															18	18	22	34
14 / 13	.8	5.1	.1															45	45	27	28
1[illegible] / 11	.4	2.8																24	24	40	17
1[illegible] / 9	.8	3.1																29	29	32	35
[illegible] / 7	.8	2.4																24	24	29	29
[illegible] / 5	.9	2.8																28	28	29	27
4 / 3	.3	4.2																33	33	25	26
[illegible] / 1	.4	3.9																32	32	43	29
[illegible] / -1	1.1	1.2																17	17	14	22
-[illegible] / -3	.5	1.5																15	15	19	14
-4 / -5	1.7	1.3																23	23	24	13
-[illegible] / -7	1.9	.4																17	17	18	16
-[illegible] / -9	1.1																	8	8	11	21
-11 / -11	.7																	5	5	5	22
-1[illegible] / -13	.7																	5	5	5	11
-14 / -15	.3																	2	2	2	26
-1[illegible] / -17	.3																	2	2	2	21
-1[illegible] / -19	.4																	3	3	3	13
-[illegible] / -21	.1																	1	1	1	13

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 | HECTOR APT FARGO ND | 73-80 | DEC
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-22/-23																					5
-24/-25																					7
-26/-27																					1
-28/-29																					2
-30/-31																					1
TOTAL	27.7	57.7	12.5	1.7	.4														744		744
																		744		744	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4162086	54638	73.4	14.188	744							
Dry Bulb	348462	12556	16.9	13.557	744	12.3	80.8					93
Wet Bulb	306096	11600	15.6	12.983	744	13.0	86.3					93
Dew Point	251667	7145	9.6	15.696	744	26.0	91.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914	HECTOR APT FARGO ND	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
42 / 41			.1															1	1		
40 / 39		.3	.1															3	3		
38 / 37		.3	.4															5	5	4	
36 / 35		.7	.4	.1														9	9	2	1
34 / 33	.7	1.5	.8	.1														23	23	18	10
32 / 31	.9	3.8	.9															42	42	26	17
30 / 29	.5	2.0	.3															21	21	39	23
28 / 27	3.5	3.9	.1															56	56	48	25
26 / 25	1.9	5.6	.1															57	57	50	51
24 / 23	1.5	2.2	.4															30	30	46	31
22 / 21	2.4	3.0																40	40	42	36
20 / 19	2.3	4.3																49	49	45	43
18 / 17	2.2	1.6	.1															29	29	36	43
16 / 15	.9	3.4	.5															36	36	28	45
14 / 13	.7	4.0	.1															36	36	28	29
12 / 11	1.9	1.3																24	24	41	27
10 / 9	1.2	2.6																28	28	27	39
8 / 7	.8	2.7																26	26	24	15
6 / 5	.8	4.2																37	37	35	18
4 / 3	1.1	1.6																20	20	27	28
2 / 1	.3	4.3																34	34	28	28
0 / -1	1.9	.9																21	21	27	28
-2 / -3	.7	2.2																21	21	17	19
-4 / -5	3.1	.4																26	26	35	7
-6 / -7	1.7																	13	13	14	13
-8 / -9	1.6																	12	12	12	12
-10 / -11	2.2																	16	16	16	25
-12 / -13	1.2																	9	9	9	19
-14 / -15	1.2																	9	9	9	23
-16 / -17	.5																	4	4	4	28
-18 / -19	.1																	1	1	1	11
-20 / -21	.4																	3	3	3	18
-22 / -23	.1																	1	1	1	15
-24 / -25	.3																	2	2	2	8

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) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-28/-27																					3
-32/-31																					3
-34/-33																					2
-36/-35																					1
TOTAL	38.6	56.6	4.6	.3														744	744		744

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4456969	56701	76.2	13.516	744							
Dry Bulb	287804	10512	14.1	13.691	744	17.3	87.9					93
Wet Bulb	263334	9876	13.3	13.341	744	18.8	90.0					93
Dew Point	240337	5855	7.9	16.170	744	29.4	91.6					93

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

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]FETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 45				.1														1	1		
44 / 43				.1														1	1		
[illegible] / 41			.1															1	1		
[illegible] / 39																				2	
[illegible] / 37																				1	
[illegible] / 35			.1															1	1		
34 / 33	.3	1.6	.1															15	15	12	5
[illegible] / 31	1.3	2.2	.3															28	28	15	20
[illegible] / 29	1.5	2.6	.3															32	32	29	10
[illegible] / 27	3.4	2.7																45	45	49	28
[illegible] / 25	2.3	5.4	.1															58	58	43	37
24 / 23	1.6	4.0	.3															44	44	56	30
[illegible] / 21	3.0	1.6																34	34	45	45
[illegible] / 19	2.3	4.4																50	50	38	56
[illegible] / 17	1.7	2.4																31	31	41	29
[illegible] / 15	1.6	3.6																39	39	31	43
[illegible] / 13	2.2	3.0																38	38	41	39
[illegible] / 11	2.7	1.6																32	32	39	30
[illegible] / 9	1.5	1.5																22	22	24	34
[illegible] / 7	1.3	3.9																39	39	30	35
[illegible] / 5	.7	3.0																27	27	34	24
[illegible] / 3	.4	3.6																30	30	28	14
[illegible] / 1	.3	3.1																25	25	25	18
[illegible] / -1	.9	1.1																15	15	17	23
[illegible] / -3	1.1	2.8																29	29	28	18
[illegible] / -5	1.3	.4																13	13	21	13
[illegible] / -7	2.6	.3																21	21	22	22
[illegible] / -9	2.4																	18	18	18	7
-10 / -11	2.2																	16	16	16	15
-12 / -13	1.2																	9	9	9	20
-14 / -15	1.7																	13	13	13	30
-16 / -17	.7																	5	5	5	12
-18 / -19	.4																	3	3	3	32
-20 / -21	.3																	2	2	2	18

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 73-80 DEC
STATION STATION NAME YEARS MONTH

PAGE 2 2100-2300
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-22/-23	.3																	2	2	2	13
-24/-25	.5																	4	4	4	10
-26/-27	.1																	1	1	1	3
-28/-29																					3
-30/-31																					1
-32/-33																					3
-34/-35																					4
TOTAL	43.7	54.7	1.3	.3															744		744
																		744		744	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4558626	57330	77.1	13.775	744							
Dry Bulb	262125	9537	12.8	13.721	744	18.9	90.6					93
Wet Bulb	243732	9000	12.1	13.473	744	20.1	91.1					93
Dew Point	234116	5106	6.9	16.369	744	30.9	92.4					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

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-80 YEARS | DEC 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				.1	.0													5	5		
44 / 43			.1	.1														11	11		
42 / 41		.0	.2	.1														18	18		
40 / 39		.1	.2	.0	.0													16	16	16	
38 / 37		.2	.4	.1														40	40	22	
36 / 35		.3	.5	.1														56	56	25	9
34 / 33	.5	1.7	.6	.0														166	166	124	46
32 / 31	1.0	2.3	.7	.1														243	243	184	165
30 / 29	1.2	1.7	.3															195	195	241	139
28 / 27	2.2	2.9	.2															315	315	298	187
26 / 25	1.7	3.6	.1															325	325	308	263
24 / 23	1.6	2.8	.2															276	276	335	226
22 / 21	3.0	2.9	.2															367	367	396	318
20 / 19	3.0	3.9	.2	.0														427	427	342	348
18 / 17	1.9	3.2	.1															316	316	360	340
16 / 15	1.9	2.9	.4															312	312	300	331
14 / 13	1.7	3.3	.1															303	303	276	331
12 / 11	1.8	2.0	.1															226	226	296	235
10 / 9	1.9	2.4																254	254	260	278
8 / 7	1.0	3.3																255	255	245	228
6 / 5	.7	2.9																214	214	253	180
4 / 3	.6	2.8																200	200	193	188
2 / 1	.3	3.7																238	238	228	215
0 / -1	2.2	1.0																192	193	208	180
-2 / -3	1.0	1.7																161	161	175	140
-4 / -5	2.2	.7																172	172	196	109
-6 / -7	2.1	.2																137	137	153	145
-8 / -9	2.2																	132	132	138	141
-10 / -11	1.9																	112	112	112	174
-12 / -13	1.1																	66	66	66	128
-14 / -15	1.2																	71	71	71	186
-16 / -17	.7																	40	40	40	141
-18 / -19	.5																	32	32	32	165
-20 / -21	.3																	18	18	18	123

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 73-80 DEC
STATION STATION NAME YEARS MONTH

 ALL
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-22/-23	.2																	14	14	14	97
-24/-25	.3																	20	20	20	76
-26/-27	.1																	5	5	5	40
-28/-29	.0																	1	1	1	24
-30/-31																					22
-32/-33																					15
-34/-35																					12
-36/-37																					3
-38/-41																					1
TOTAL	42.2	52.7	4.6	.5	.1														5952		5951
																		5951		5951	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	35692134	453564	76.2	13.739	5951							
Dry Bulb	2158569	79017	13.3	13.655	5952	146.8	705.0					744
Wet Bulb	1973900	74136	12.5	13.286	5951	156.2	720.6					744
Dew Point	1825449	41837	7.0	16.043	5951	240.5	737.1					744

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

...AL CLIMATOLOGY BRANCH
...AFCTAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

14914 HECTOR APT FARGO ND 73-81 ALL

STATION STATION NAME YEARS MONTH

 ALL

HOURS (L.S.T.)

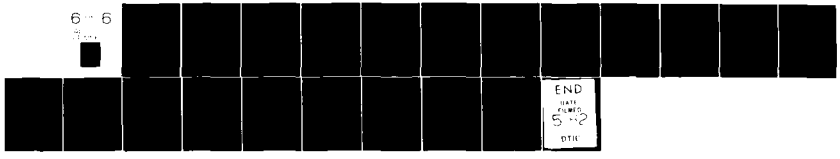
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew
1 /105																	.0	2	2		
1 /103																	.0	4	4		
102/101															.0	.0	.0	10	10		
100/ 99												.0		.0	.0	.0	.0	17	17		
98/ 97										.0	.0	.0	.0	.0	.0	.0	.0	27	27		
96/ 95									.0	.0	.0	.0	.0	.0	.0	.0	.0	70	70		
94/ 93								.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	86		
92/ 91							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	148	148		
/ 89					.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	252	252		
8/ 87				.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0		395	395		
6/ 85			.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0			545	545		
4/ 83			.0	.0	.1	.1	.1	.2	.1	.1	.1	.1	.1	.0	.0			727	727		
82/ 81		.0	.0	.0	.1	.1	.2	.2	.2	.1	.1	.1	.0	.0	.0			817	817	8	
/ 79	.0		.0	.0	.1	.2	.2	.2	.2	.2	.1	.1	.0	.0				1082	1082	36	
7 / 77	.0	.0	.0	.1	.2	.2	.3	.3	.2	.2	.1	.0	.0	.0				1174	1174	119	
76/ 75	.0	.0	.1	.2	.2	.3	.3	.3	.3	.1	.1	.0	.0	.0				1382	1382	285	
74/ 73	.0	.0	.1	.3	.2	.3	.3	.3	.2	.1	.1	.1	.0					1401	1401	516	
72/ 71	.0	.1	.2	.3	.3	.3	.3	.3	.2	.1	.1	.0	.0					1535	1535	697	
70/ 69	.0	.2	.4	.3	.4	.4	.3	.3	.1	.1	.1	.0						1932	1932	1066	
68/ 67	.0	.2	.4	.4	.4	.4	.3	.2	.2	.1	.0	.0						1917	1917	1512	
66/ 65	.0	.4	.5	.6	.4	.3	.3	.2	.1	.1	.0	.0						2118	2118	1628	1
64/ 63	.0	.4	.6	.6	.4	.3	.3	.2	.1	.1	.0							2066	2066	2136	1
62/ 61	.0	.6	.6	.5	.4	.3	.2	.2	.1	.0	.0							2051	2051	2516	1
60/ 59	.0	.6	.7	.5	.4	.3	.2	.2	.1	.0	.0							2096	2096	2777	1
/ 57	.0	.7	.7	.5	.3	.3	.2	.1	.1									2025	2025	2822	2
56/ 55	.1	.6	.6	.4	.4	.3	.2	.1	.0									2007	2007	2589	2
54/ 53	.1	.6	.6	.5	.3	.3	.2	.1	.0									1862	1862	2531	2
52/ 51	.1	.6	.6	.3	.4	.3	.1	.0	.0									1700	1700	2183	2
50/ 49	.1	.5	.6	.5	.4	.2	.1	.0										1618	1618	2126	2
48/ 47	.1	.6	.4	.4	.3	.2	.0	.0										1405	1405	1990	2
46/ 45	.1	.6	.6	.5	.3	.1	.0	.0										1586	1586	2014	2
44/ 43	.1	.6	.7	.4	.2	.1	.0	.0										1527	1527	1951	2
42/ 41	.1	.7	.8	.4	.2	.1	.0											1587	1587	1923	1
40/ 39	.2	.6	.8	.3	.2	.0	.0											1464	1464	1935	1

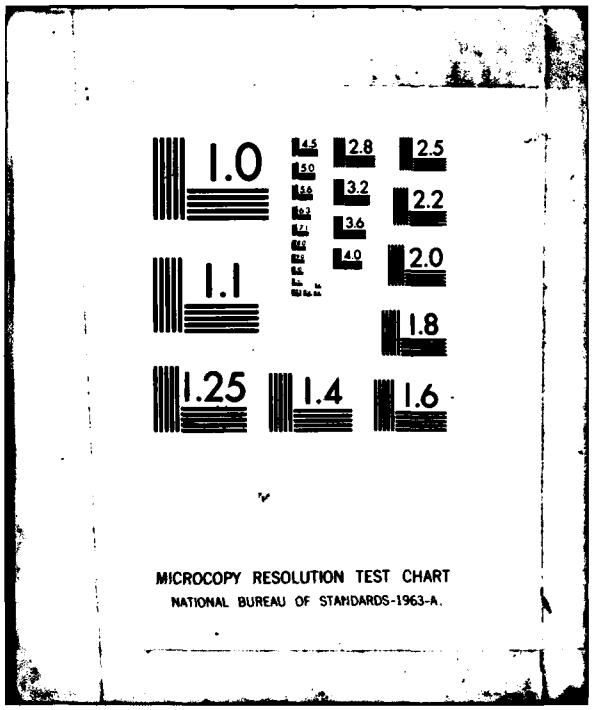
Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Tota
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

AD-A113 156 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
JAN 82

UNCLASSIFIED USAFETAC/DS-82/001 SBI-AD-E850 137 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

14914 HECTOR APT FARGO ND 73-81 ALL
STATION STATION NAME YEARS MONTH

 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
3 / 37	.1	.9	.6	.3	.1	.0												1451	1451	1811	1881
3 / 35	.2	1.3	.6	.2	.1	.0												1668	1668	1865	2157
34 / 33	.4	1.5	.7	.2	.0	.0												1964	1964	2251	2173
32 / 31	.5	2.0	.7	.1	.0													2331	2331	2174	3174
30 / 29	.5	1.4	.5	.1	.0													1674	1674	2339	2286
28 / 27	.5	1.5	.3	.0														1586	1586	1920	2295
26 / 25	.4	1.6	.2	.0														1567	1567	1747	2378
24 / 23	.3	1.2	.1	.0														1187	1188	1725	1580
22 / 21	.7	1.3	.1	.0														1508	1508	1587	2029
20 / 19	.9	1.3	.1	.0														1580	1580	1460	2264
18 / 17	.6	1.2	.1															1258	1258	1409	1774
16 / 15	.5	1.1	.0															1157	1157	1180	1739
14 / 13	.5	1.0	.0															1087	1087	1048	1469
12 / 11	.8	.6	.0															1022	1022	1261	1108
10 / 9	.6	.8	.0															987	987	954	1258
/ 7	.5	1.1																1154	1154	1035	1096
/ 5	.4	1.1																1036	1037	1281	755
4 / 3	.3	1.2																1006	1006	1008	880
2 / 1	.2	1.3																996	997	920	872
/ -1	.8	.3																759	760	877	678
-2 / -3	.5	.4																643	644	724	835
-4 / -5	.8	.1																639	639	710	792
-6 / -7	.8	.0																555	555	589	675
- / -9	.7																	517	517	532	609
-10 / -11	.7																	503	503	503	636
-12 / -13	.4																	267	267	267	462
-14 / -15	.6																	408	408	408	634
-16 / -17	.4																	283	283	283	560
-18 / -19	.4																	275	275	275	612
-20 / -21	.2																	165	165	165	470
-22 / -23	.1																	86	86	86	395
-24 / -25	.1																	82	82	82	362
-26 / -27	.1																	52	52	52	246
-28 / -29	.0																	7	7	7	197

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14914 STATION | HECTOR APT FARGO ND STATION NAME | 73-81 YEARS | ALL MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-[illegible]/-31	.0																	5	7	5	127
-[illegible]2/-33																			6		122
-34/-35	.1																	1	2	1	63
-3[illegible]/-37																					57
-[illegible]/-39																					6
-[illegible]/-41																					7
TOTAL	16.5	33.0	14.0	9.1	6.7	5.5	4.4	3.6	2.7	1.8	1.2	.7	.4	.2	.1	.1	.0	70101	70115	70101	70101

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	355771061	4821549	68.8	18.559	70101							
Dry Bulb	167767596	2893746	41.3	26.257	70115	656.1	3294.6	1690.7	1017.5	460.0	27.0	8760
Wet Bulb	129411980	2560970	36.5	22.615	70101	695.2	3573.2	529.9	120.5	2.0		8760
Dew Point	102717203	2135239	30.5	23.184	70101	1066.8	4434.3	194.9	27.9	.4		8760

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14914 HECTOR APT FARGO ND 73-81
STATION STATION NAME YEARS

HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV.	DEC	ANNUAL
0-02	MEAN	2.8	9.6	21.8	38.8	51.5	59.5	65.3	62.3	52.4	41.4	25.2	12.0	37.0
	S.D.	15.018	14.634	13.251	10.857	10.340	7.663	7.055	7.521	9.553	9.741	12.131	13.443	23.894
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
03-05	MEAN	1.6	8.2	20.5	36.4	48.1	56.5	62.4	59.6	49.8	39.2	23.9	11.2	34.9
	S.D.	14.819	14.618	13.458	10.356	10.390	7.508	7.099	7.648	9.718	9.616	12.235	13.476	23.212
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
06-08	MEAN	1.3	7.6	20.0	37.3	51.0	60.1	65.3	60.9	50.2	38.4	23.1	10.7	35.6
	S.D.	14.912	14.746	13.667	10.387	9.988	6.694	6.493	7.049	9.501	9.300	12.265	13.485	24.260
	TOTAL OBS	743	678	744	720	744	720	744	744	720	744	720	744	8765
09-11	MEAN	2.7	10.7	24.4	44.6	60.0	68.5	74.2	69.8	59.3	46.1	26.7	12.2	41.7
	S.D.	14.609	14.635	13.156	12.328	11.177	7.424	6.347	7.396	9.341	9.758	12.695	13.141	24.845
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
12-14	MEAN	7.2	15.9	29.3	50.1	65.4	73.7	79.9	75.7	66.3	53.2	32.1	16.3	47.2
	S.D.	14.016	14.286	12.977	13.631	12.062	8.157	6.924	8.531	10.934	11.348	13.888	13.412	27.559
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
15-17	MEAN	8.6	17.7	31.2	52.4	67.4	75.4	81.6	77.5	68.2	54.6	32.5	16.9	48.8
	S.D.	13.875	14.264	12.869	13.971	11.941	8.356	7.383	8.693	11.401	11.771	14.027	13.557	27.838
	TOTAL OBS	743	678	744	720	743	720	744		720	744	720	744	8764
18-20	MEAN	5.9	14.6	28.1	49.0	64.2	72.1	78.1	[illegible]	62.2	48.1	28.2	14.1	44.9
	S.D.	14.375	14.170	12.568	12.990	11.419	8.001	7.173	8.324	10.552	10.313	12.706	13.691	27.237
	TOTAL OBS	744	678	744	720	741	720	744	744	720	743	720	744	8762
21-23	MEAN	4.1	11.8	24.5	42.9	56.4	64.1	69.7	66.0	55.8	43.8	26.0	12.8	39.9
	S.D.	14.713	14.377	12.572	11.275	10.321	7.742	7.110	7.947	9.612	9.769	12.546	13.721	24.938
	TOTAL OBS	744	678	743	720	740	720	744	744	720	744	719	744	8768
ALL HOURS	MEAN	4.2	12.0	25.0	43.9	58.0	66.2	72.1	68.1	58.0	45.6	27.2	13.3	41.3
	S.D.	14.765	14.869	13.636	13.348	12.951	10.238	9.811	10.222	12.097	11.709	13.234	13.655	26.257
	TOTAL OBS	5950	5424	5951	5760	5944	5760	5952	5952	5760	5951	5759	5952	70113

USAF ETAC FORM OCT 78 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 [illegible]14 HECTOR APT FARGO ND 73-81
STATION STATION NAME YEARS

HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ANNUAL
0-03	MEAN	2.5	9.0	20.5	35.4	46.0	55.0	60.6	57.7	48.3	37.8	23.6	11.3	34.1
	S.D.	14.654	14.261	12.611	9.290	9.091	6.561	6.236	6.459	8.549	8.609	11.300	13.201	22.001
	TOTAL OBS	741	678	744	720	744	720	744	744	720	744	720	744	8763
04-07	MEAN	1.4	7.7	19.4	33.7	44.0	53.2	58.8	56.1	46.6	36.3	22.5	10.7	32.7
	S.D.	14.490	14.262	12.908	9.253	9.586	6.764	6.415	6.901	8.881	8.669	11.519	13.268	21.812
	TOTAL OBS	742	678	744	720	744	720	744	744	720	744	720	743	8763
08-10	MEAN	.8	7.1	19.0	34.4	46.1	55.8	60.8	57.2	47.0	35.8	21.9	10.1	33.1
	S.D.	14.542	14.419	13.145	9.294	9.070	6.022	5.751	6.379	8.719	8.443	11.634	13.276	22.615
	TOTAL OBS	740	678	744	720	744	720	744	744	720	744	720	744	8762
11	MEAN	2.3	9.9	22.5	39.1	51.1	60.1	65.0	61.8	52.6	41.1	24.8	11.5	36.9
	S.D.	14.313	14.062	12.219	9.614	8.719	5.692	5.292	5.760	7.589	7.917	11.525	12.870	23.397
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
12-14	MEAN	6.5	14.5	26.4	42.3	53.2	61.8	66.7	63.7	55.6	44.9	28.5	15.1	40.0
	S.D.	13.526	13.348	11.362	9.508	8.626	5.716	5.619	6.051	7.680	8.194	11.552	12.847	22.514
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
15-17	MEAN	7.8	16.1	27.9	43.4	53.9	62.2	66.9	64.0	55.9	45.3	28.7	15.6	40.7
	S.D.	13.366	13.189	10.968	9.232	8.300	5.725	5.664	6.099	7.502	8.333	11.531	12.983	22.173
	TOTAL OBS	743	678	744	720	743	720	744	744	720	744	720	744	8764
18-20	MEAN	5.4	13.5	25.6	41.6	52.4	61.1	66.0	62.4	53.2	42.0	25.8	13.3	38.6
	S.D.	14.026	13.547	11.304	9.213	8.335	5.965	5.809	6.125	7.795	8.341	11.295	13.341	22.660
	TOTAL OBS	744	678	743	720	741	720	744	744	720	743	720	744	8761
21-23	MEAN	3.8	11.0	22.9	38.2	48.8	57.7	62.8	59.6	50.0	39.4	24.1	12.1	36.0
	S.D.	14.351	13.935	11.818	9.101	8.628	6.426	6.183	6.445	8.090	8.368	11.429	13.473	22.228
	TOTAL OBS	740	678	743	720	740	720	744	744	720	744	719	744	8756
ALL HOURS	MEAN	3.8	11.1	23.0	38.5	49.4	58.4	63.4	60.3	51.1	40.3	25.0	12.5	36.5
	S.D.	14.355	14.215	12.454	9.941	9.475	6.896	6.558	6.909	8.816	9.022	11.713	13.286	22.615
	TOTAL OBS	5930	5424	5950	5760	5944	5760	5952	5952	5760	5951	5759	5951	70101

USAF ETAC FORM OCT 79 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1-814 HECTOR APT FARGO ND 73-81
STATION STATION NAME YEARS

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV.	DEC	ANNUAL
0-02	MEAN	-3.5	3.5	16.1	30.3	39.8	51.5	57.3	54.2	44.1	33.0	19.1	6.1	29.4
	S.D.	17.730	16.819	14.298	10.168	11.224	7.284	6.964	7.263	9.650	9.491	12.664	16.040	23.396
	TOTAL OBS	741	678	744	720	744	720	744	744	720	744	720	744	8763
3-05	MEAN	-4.7	2.3	15.2	29.3	39.0	50.5	56.4	53.5	43.3	32.2	18.2	5.4	28.5
	S.D.	17.892	16.695	14.619	10.213	11.354	7.272	6.837	7.418	9.679	9.398	12.877	16.163	23.484
	TOTAL OBS	742	678	744	720	744	720	744	744	720	744	720	743	8765
6-08	MEAN	-5.4	1.6	14.8	30.0	40.7	52.4	57.8	54.5	43.9	32.0	17.9	4.9	28.9
	S.D.	18.106	16.888	15.018	10.209	10.852	6.832	6.372	6.865	9.430	9.060	12.976	16.174	24.141
	TOTAL OBS	740	678	744	720	744	720	744	744	720	744	720	744	8762
9-11	MEAN	-3.9	4.3	17.4	31.9	42.4	54.0	59.2	56.3	46.7	34.9	19.9	6.3	30.9
	S.D.	17.370	16.266	13.699	10.400	11.345	7.197	7.064	7.288	9.002	8.484	12.550	15.647	23.954
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
12-14	MEAN	.1	8.5	20.0	32.7	41.7	53.4	58.6	55.8	46.4	35.4	21.7	9.2	32.1
	S.D.	16.065	14.988	12.342	10.365	11.776	7.769	8.122	8.341	9.906	9.152	11.922	15.497	22.414
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
15-17	MEAN	1.4	9.9	21.2	32.7	41.1	52.8	57.9	55.0	45.3	34.8	21.6	9.6	32.0
	S.D.	15.962	14.829	11.807	10.147	11.920	8.108	8.503	8.738	10.217	9.719	11.984	15.696	21.827
	TOTAL OBS	743	678	744	720	743	720	744	744	720	744	720	744	8764
18-20	MEAN	-.6	8.0	20.0	32.4	40.8	53.1	58.4	55.1	45.2	34.4	20.3	7.9	31.3
	S.D.	16.822	15.621	12.474	10.312	12.102	8.415	8.326	8.364	9.952	9.805	12.267	16.170	22.719
	TOTAL OBS	744	678	743	720	741	720	744	744	720	743	720	744	8761
21-23	MEAN	-2.3	5.7	18.3	31.8	40.7	52.7	58.3	55.0	44.5	33.5	19.2	6.9	30.5
	S.D.	17.247	16.241	13.279	10.088	11.690	7.693	7.313	7.654	9.626	9.483	12.509	16.369	23.169
	TOTAL OBS	740	678	743	720	740	720	744	744	720	744	719	744	8756
ALL HOURS	MEAN	-2.4	5.5	17.9	31.4	40.8	52.6	58.0	54.9	44.9	33.8	19.7	7.0	30.5
	S.D.	17.162	16.303	13.664	10.308	11.572	7.653	7.511	7.803	9.747	9.407	12.539	16.043	23.184
	TOTAL OBS	5938	5424	5950	5760	5944	5760	5952	5952	5760	5951	5759	5951	70101

USAF ETAC FORM OCT 79 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914 HECTOR APT FARGO ND — STATION / STATION NAME
74-81 — PERIOD
JAN — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.9	99.2	83.8	54.9	34.6	14.6	74.1	741
	03-05	100.0	100.0	100.0	99.9	99.2	83.6	54.2	34.9	14.2	73.9	742
	06-08	100.0	100.0	100.0	100.0	99.2	84.9	52.3	33.6	14.2	73.7	740
	09-11	100.0	100.0	100.0	100.0	99.2	84.4	55.6	29.4	11.6	73.5	744
	12-14	100.0	100.0	100.0	100.0	98.8	81.6	52.6	26.9	9.5	72.5	744
	15-17	100.0	100.0	100.0	100.0	98.8	77.3	49.9	27.6	11.3	72.1	743
	18-20	100.0	100.0	100.0	100.0	99.2	81.0	55.6	32.8	10.9	73.4	744
	21-23	100.0	100.0	100.0	99.9	99.6	83.1	55.5	35.3	13.5	74.1	740
TOTALS		100.0	100.0	100.0	100.0	99.2	82.5	53.8	31.9	12.5	73.4	5938

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914 HECTOR APT FARGO ND 74-81 FEB
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.9	99.1	88.9	64.9	41.6	15.3	76.3	676
	03-05	100.0	100.0	100.0	99.9	99.6	90.7	66.7	39.1	14.2	76.4	678
	06-08	100.0	100.0	100.0	99.9	99.3	89.7	66.8	40.6	13.3	76.3	678
	09-11	100.0	100.0	100.0	100.0	99.4	88.9	64.9	34.5	8.3	75.0	678
	12-14	100.0	100.0	100.0	100.0	99.0	85.0	58.8	21.7	4.1	72.4	678
	15-17	100.0	100.0	100.0	99.9	96.8	81.3	55.8	23.3	4.7	71.6	678
	18-20	100.0	100.0	100.0	99.9	98.7	87.2	65.3	33.6	8.6	75.0	678
	21-23	100.0	100.0	100.0	100.0	99.4	91.6	67.3	41.3	11.5	76.4	678
TOTALS		100.0	100.0	100.0	99.9	98.9	87.9	63.8	34.5	10.0	74.9	5424

USAFETAC FORM AIR 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

14914 HECTOR APT FARGO ND — 74-81 — MAR
STATION / STATION NAME — PERIOD — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.5	98.0	92.5	77.8	52.6	13.8	79.0	744
	03-05	100.0	100.0	100.0	100.0	98.4	92.6	81.2	58.3	16.7	80.1	744
	06-08	100.0	100.0	100.0	99.9	99.3	93.0	81.0	57.0	16.3	80.3	744
	09-11	100.0	100.0	100.0	98.5	96.0	86.6	66.3	37.9	12.1	75.2	744
	12-14	100.0	100.0	97.7	94.9	90.6	77.3	52.2	23.0	5.5	69.8	744
	15-17	100.0	100.0	96.4	93.4	88.2	75.8	49.5	20.6	5.0	68.5	744
	18-20	100.0	100.0	98.9	97.3	93.4	83.0	62.2	30.1	9.6	72.9	743
	21-23	100.0	100.0	100.0	99.2	97.3	91.8	76.2	45.5	11.3	77.8	743
TOTALS		100.0	100.0	99.1	97.8	95.2	86.6	68.3	40.6	11.3	75.5	5950

USAFETAC FORM AM 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

14914 (STATION) HECTOR APT FARGO ND (STATION NAME) 74-81 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.3	95.4	88.2	75.8	59.6	44.2	18.2	73.7	720
	03-05	100.0	100.0	100.0	97.8	93.9	83.1	68.2	49.0	22.2	77.1	720
	06-08	100.0	100.0	99.9	98.8	93.2	81.5	65.8	47.4	21.0	76.5	720
	09-11	100.0	99.2	94.7	85.7	71.7	59.7	44.4	26.4	10.7	64.9	720
	12-14	100.0	95.0	83.6	70.3	58.2	45.7	31.0	18.8	7.1	56.6	720
	15-17	99.9	92.1	78.8	66.4	50.6	38.9	24.6	14.9	6.3	52.9	720
	18-20	100.0	95.8	84.3	74.2	61.7	50.7	32.6	17.4	7.1	58.2	720
	21-23	100.0	99.6	95.7	88.8	79.4	66.1	52.6	33.3	13.1	68.4	720
TOTALS		100.0	97.7	92.0	84.7	74.6	62.7	47.4	31.4	13.2	66.0	5760

USAFETAC FORM AUG 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914 (STATION) HECTOR APT FARGO ND (STATION NAME) 74-81 (PERIOD) MAY (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	97.8	88.6	76.2	62.1	45.8	31.9	13.7	67.4	744
	03-05	100.0	100.0	100.0	95.8	85.1	73.7	59.1	41.0	16.5	73.0	744
	06-08	100.0	100.0	99.7	94.0	82.1	68.0	51.9	31.2	11.4	69.9	744
	09-11	100.0	98.4	87.2	73.1	58.5	42.6	26.5	13.0	4.3	56.1	744
	12-14	100.0	89.8	74.1	56.0	38.3	24.9	13.2	7.7	2.8	46.4	744
	15-17	100.0	85.2	68.5	48.0	30.0	19.0	11.4	6.2	2.0	42.9	743
	18-20	100.0	89.9	73.8	56.7	38.9	26.2	17.0	8.1	2.2	47.0	741
	21-23	100.0	99.3	89.9	76.6	63.9	47.8	34.7	20.5	6.6	59.6	740
TOTALS		100.0	95.3	86.4	73.6	59.1	45.5	32.5	20.0	7.4	57.8	5944

USAFETAC FORM AWS 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

14914 HECTOR APT FARGO ND 73-80 JUN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.4	94.3	83.3	66.9	43.1	15.0	76.2	720
	03-05	100.0	100.0	100.0	100.0	97.5	91.5	80.0	56.8	22.6	81.3	720
	06-08	100.0	100.0	100.0	99.9	97.6	86.5	68.8	42.2	14.7	76.9	720
	09-11	100.0	99.9	99.4	92.8	72.9	47.4	27.4	15.3	4.6	61.8	720
	12-14	100.0	99.7	93.9	69.6	44.0	25.3	16.3	6.9	1.5	51.5	720
	15-17	100.0	98.9	87.5	59.2	34.2	22.1	12.8	5.6	1.4	48.0	720
	18-20	100.0	99.4	93.6	75.1	52.6	31.9	19.9	8.2	2.4	53.8	720
	21-23	100.0	100.0	99.7	95.7	85.8	65.7	46.1	24.7	6.3	68.3	720
TOTALS		100.0	99.7	96.8	86.5	72.4	56.7	42.3	25.4	8.6	64.7	5760

USAFETAC FORM JUL 64 0-87-5 (OL A)

GL.BAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

14914 HECTOR APT FARGO ND 73-80 JUL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	99.7	97.8	87.1	69.6	40.6	9.1	76.3	744
	03-05	100.0	100.0	100.0	99.9	98.5	96.0	84.1	53.5	15.7	81.5	744
	06-08	100.0	100.0	100.0	99.7	98.1	92.1	72.3	42.9	11.0	77.4	744
	09-11	100.0	100.0	99.3	92.5	76.5	48.9	25.0	10.8	1.5	61.0	744
	12-14	100.0	100.0	92.1	70.7	46.1	22.3	9.9	2.2	.3	50.0	744
	15-17	100.0	99.2	85.9	60.5	35.9	17.1	7.8	3.0	.7	46.6	744
	18-20	100.0	99.5	93.5	78.1	51.9	27.0	13.6	7.5	1.1	52.8	744
	21-23	100.0	100.0	100.0	98.8	90.7	69.8	44.2	18.5	3.4	68.1	744
TOTALS		100.0	99.8	96.4	87.5	74.4	57.5	40.8	23.0	5.4	64.2	5952

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914 HECTOR APT FARGO ND 73-80 AUG
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.1	93.8	85.9	71.0	40.7	9.9	76.0	744
	03-05	100.0	100.0	100.0	100.0	97.8	92.3	83.6	59.1	16.1	80.9	744
	06-08	100.0	100.0	100.0	100.0	98.4	93.8	80.5	52.8	14.9	80.1	744
	09-11	100.0	100.0	98.9	93.3	79.3	58.3	34.8	16.1	3.8	64.1	744
	12-14	100.0	98.9	92.5	74.5	48.9	29.3	15.2	7.3	2.3	52.5	744
	15-17	100.0	97.7	89.1	62.9	36.3	22.0	12.1	5.9	1.3	48.4	744
	18-20	100.0	99.3	93.7	81.7	59.0	36.0	20.8	8.7	1.5	55.8	744
	21-23	100.0	100.0	99.7	94.9	86.8	73.0	48.7	23.1	4.4	69.1	744
TOTALS		100.0	99.5	96.7	88.3	75.0	61.3	45.8	26.7	6.8	65.9	5952

USAFETAC FORM JUL 64 0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914 HECTOR APT FARGO ND 73-80 SEP
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	97.6	92.4	81.3	66.4	40.7	11.7	74.9	720
	03-05	100.0	100.0	100.0	99.2	96.1	91.0	77.1	53.8	16.1	79.3	720
	06-08	100.0	100.0	100.0	99.2	97.6	92.4	78.9	54.2	16.7	79.9	720
	09-11	100.0	100.0	98.8	93.5	78.5	60.0	38.8	18.3	5.6	65.2	720
	12-14	100.0	98.3	88.5	68.3	48.1	32.6	18.6	11.0	2.9	52.3	720
	15-17	100.0	94.0	79.4	57.2	38.2	26.1	16.4	8.2	1.1	47.9	720
	18-20	100.0	99.2	91.9	76.7	58.9	42.1	28.6	15.1	2.2	57.3	720
	21-23	100.0	100.0	98.8	94.2	82.2	66.0	49.0	25.1	6.9	68.0	720
TOTALS		100.0	98.9	94.7	85.7	74.0	61.4	46.7	28.3	7.9	65.6	5760

USAFETAC FORM JUL 64 0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (PERIOD) OCT (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.9	97.2	92.7	79.8	59.5	35.8	12.4	73.6	744
	03-05	100.0	100.0	99.9	98.9	96.0	87.8	70.6	43.8	16.7	77.0	744
	06-08	100.0	100.0	100.0	100.0	97.3	91.4	74.9	47.6	18.4	78.7	744
	09-11	100.0	100.0	99.9	96.6	83.5	61.8	40.6	20.4	8.1	67.0	744
	12-14	100.0	99.6	92.5	73.5	50.3	32.1	18.8	12.0	5.8	54.1	744
	15-17	100.0	98.9	86.6	62.4	42.1	27.0	17.9	11.0	5.8	50.9	744
	18-20	100.0	100.0	96.9	86.5	68.9	49.3	32.8	16.6	7.4	61.7	743
	21-23	100.0	100.0	99.5	95.0	85.2	69.2	47.8	28.0	8.6	68.9	744
TOTALS		100.0	99.8	96.9	88.8	77.0	62.3	45.9	26.9	10.4	66.5	5951

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

14214 HECTOR APT FARGO ND 73-80 NOV
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.9	98.3	95.4	89.0	76.7	51.1	18.2	78.5	720
	03-05	100.0	100.0	100.0	98.6	96.7	91.9	79.2	54.7	21.0	79.6	720
	06-08	100.0	100.0	100.0	99.6	98.6	92.8	81.5	56.9	23.6	80.6	720
	09-11	100.0	100.0	99.7	98.1	95.6	86.4	70.1	42.8	15.6	76.3	720
	12-14	100.0	100.0	97.1	91.7	85.7	69.3	47.2	26.0	7.2	68.1	720
	15-17	100.0	99.7	96.4	89.7	82.4	66.7	48.9	24.2	5.7	67.0	720
	18-20	100.0	99.6	98.9	96.9	92.4	80.1	65.4	39.7	11.9	74.0	720
	21-23	100.0	100.0	99.6	97.8	94.9	87.3	70.4	47.1	14.6	76.7	719
TOTALS		100.0	99.9	99.0	96.3	92.7	82.9	67.4	42.8	14.7	75.1	5759

USAFETAC FORM JUL 64 0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914 (STATION) HECTOR APT FARGO ND (STATION NAME) 73-80 (PERIOD) DEC (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.7	98.5	85.6	67.2	44.1	20.4	77.3	744
	03-05	100.0	100.0	100.0	99.3	98.3	85.7	68.2	46.4	20.6	77.4	743
	06-08	100.0	100.0	100.0	99.6	98.1	85.9	67.3	46.9	21.2	77.5	744
	09-11	100.0	100.0	100.0	100.0	99.2	86.4	66.9	43.8	20.6	77.2	744
	12-14	100.0	100.0	100.0	99.9	97.3	79.2	56.5	32.0	15.7	73.7	744
	15-17	100.0	100.0	100.0	99.9	95.8	77.0	59.0	32.9	15.6	73.4	744
	18-20	100.0	100.0	100.0	99.9	98.5	83.2	66.8	42.6	17.6	76.2	744
	21-23	100.0	100.0	100.0	99.9	97.8	84.1	66.9	43.3	20.7	77.1	744
TOTALS		100.0	100.0	100.0	99.8	97.9	83.4	64.9	41.5	19.1	76.2	5951

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914 HECTOR APT FARGO ND 73-81 ALL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.2	82.5	53.8	31.9	12.5	73.4	5938
FEB		100.0	100.0	100.0	99.9	98.9	87.9	63.8	34.5	10.0	74.9	5424
MAR		100.0	100.0	99.1	97.8	95.2	86.6	68.3	40.6	11.3	75.5	5950
APR		100.0	97.7	92.0	84.7	74.6	62.7	47.4	31.4	13.2	66.0	5760
MAY		100.0	95.3	86.4	73.6	59.1	45.5	32.5	20.0	7.4	57.8	5944
JUN		100.0	99.7	96.8	86.5	72.4	56.7	42.3	25.4	8.6	64.7	5760
JUL		100.0	99.8	96.4	87.5	74.4	57.5	40.8	23.0	5.4	64.2	5952
AUG		100.0	99.5	96.7	88.3	75.0	61.3	45.8	26.7	6.8	65.9	5952
SEP		100.0	98.9	94.7	85.7	74.0	61.4	46.7	28.3	7.9	65.6	5760
OCT		100.0	99.8	96.9	88.8	77.0	62.3	45.4	26.9	10.4	66.5	5951
NOV		100.0	99.9	99.0	96.3	92.7	82.9	67.4	42.8	14.7	75.1	5759
DEC		100.0	100.0	100.0	99.8	97.9	83.9	64.9	41.5	19.1	76.2	5951
TOTALS		100.0	99.2	96.5	90.7	82.5	69.2	51.6	31.1	10.6	68.8	70101

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

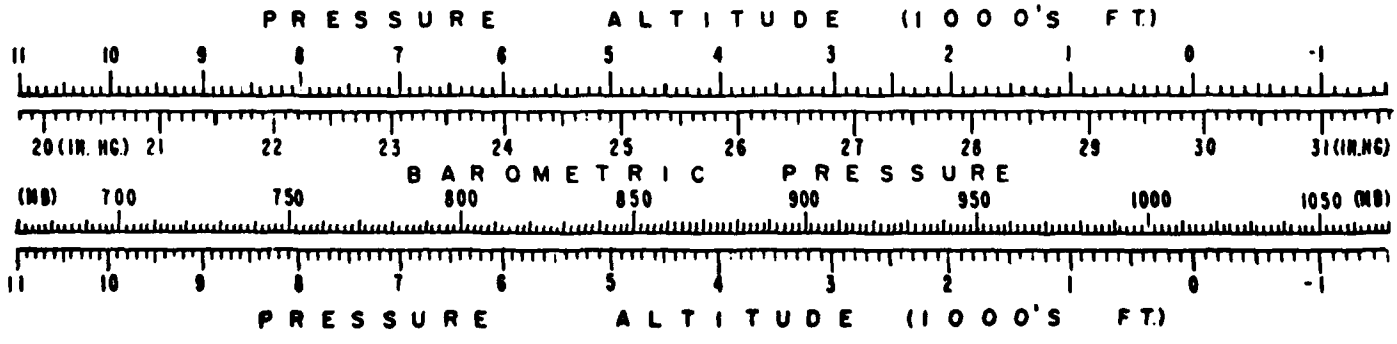
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided 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.



F

...L PAL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

1 ...14 HECTOR APT FARGO ND 73-81
STATION STATION NAME YEARS

HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0	MEAN	29.118	29.094	28.999	29.008	28.946	28.913	28.962	28.966	29.003	29.011	29.050	29.054	29.010
	S.D	.286	.286	.249	.232	.185	.174	.152	.163	.196	.238	.265	.282	.237
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
	MEAN	29.117	29.087	28.984	29.000	28.944	28.905	28.958	28.962	29.000	29.011	29.042	29.052	29.005
	S.D	.284	.290	.255	.236	.190	.181	.156	.164	.196	.239	.271	.282	.240
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
	MEAN	29.113	29.089	28.984	29.014	28.963	28.921	28.979	28.976	29.013	29.019	29.042	29.050	29.013
	S.D	.283	.291	.262	.239	.193	.189	.156	.167	.198	.239	.276	.282	.241
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
	MEAN	29.123	29.101	29.001	29.026	28.971	28.925	28.988	28.985	29.027	29.033	29.059	29.063	29.025
	S.D	.284	.294	.263	.243	.194	.188	.157	.170	.200	.239	.277	.280	.242
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
	MEAN	29.128	29.112	29.005	29.021	28.958	28.919	28.981	28.977	29.016	29.025	29.060	29.066	29.022
1	S.D	.288	.295	.261	.237	.190	.181	.156	.168	.201	.240	.275	.282	.242
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
	MEAN	29.095	29.080	28.980	28.992	28.926	28.896	28.956	28.947	28.980	28.987	29.034	29.039	28.992
1...	S.D.	.285	.290	.254	.229	.187	.175	.156	.165	.202	.239	.268	.280	.238
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
	MEAN	29.108	29.088	28.981	28.986	28.912	28.883	28.941	28.935	28.976	28.991	29.051	29.054	28.992
1...	S.D	.283	.285	.244	.223	.185	.171	.152	.164	.198	.235	.259	.276	.237
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
	MEAN	29.108	29.092	28.991	29.003	28.927	28.897	28.947	28.950	28.995	29.000	29.056	29.053	29.001
1	S.D.	.286	.282	.242	.223	.185	.168	.151	.163	.193	.239	.259	.278	.235
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
ALL HOURS	MEAN	29.114	29.093	28.991	29.006	28.943	28.907	28.964	28.962	29.001	29.010	29.049	29.054	29.007
	S.D.	.284	.289	.254	.233	.189	.178	.155	.166	.198	.239	.268	.280	.239
	TOTAL OBS	1984	1808	1984	1920	1981	1920	1984	1984	1920	1984	1920	1984	23373

USAF ETAC FORM OCT 78 0-89-5 (OL A)

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

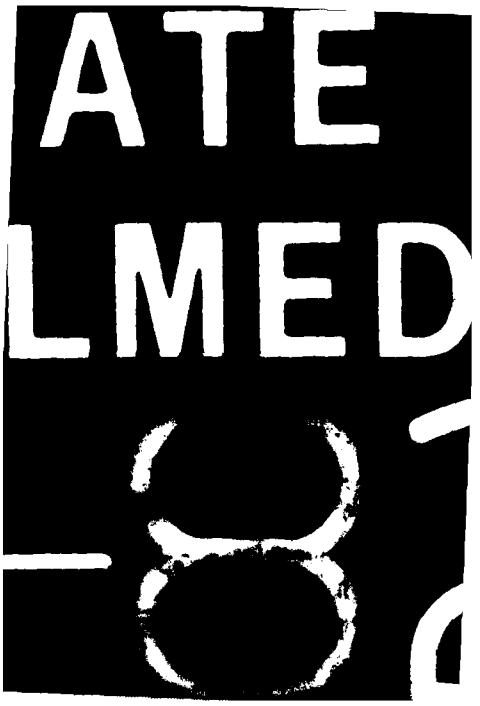
SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

1 [illegible]14 HECTOR APT FARGO ND 73-81

STATION STATION NAME YEARS

HRS (L S T)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
C	MEAN	1021.2	1020.0	1016.1	1015.6	1012.9	1011.5	1013.0	1013.2	1014.8	1015.6	1017.7	1018.5	1015.8
	S D	10.497	10.489	9.026	8.259	6.616	6.112	5.408	5.794	6.991	8.496	9.525	10.176	8.772
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
	MEAN	1021.2	1019.8	1015.6	1015.4	1013.0	1011.3	1012.9	1013.2	1014.9	1015.7	1017.5	1018.5	1015.7
	S D.	10.371	10.605	9.247	8.406	6.752	6.347	5.562	5.825	7.017	8.554	9.717	10.205	8.856
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
	MEAN	1021.0	1019.8	1015.6	1015.8	1013.5	1011.8	1013.6	1013.6	1015.3	1016.0	1017.5	1018.4	1016.0
	S.D.	10.346	10.710	9.462	8.537	6.873	6.544	5.557	5.942	7.081	8.567	9.878	10.204	8.862
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
	MEAN	1021.6	1020.4	1016.3	1016.4	1013.9	1012.0	1014.0	1014.0	1015.9	1016.6	1018.2	1019.0	1016.5
	S.D.	10.409	10.783	9.544	8.583	6.885	6.628	5.592	6.015	7.153	8.567	9.921	10.156	8.931
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
12	MEAN	1021.6	1020.6	1016.3	1016.1	1013.4	1011.7	1013.7	1013.6	1015.3	1016.1	1018.1	1018.9	1016.3
	S.D.	10.525	10.790	9.435	8.416	6.786	6.354	5.543	5.967	7.179	8.586	9.796	10.219	8.946
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
1	MEAN	1020.4	1019.5	1015.4	1015.1	1012.3	1011.0	1012.9	1012.6	1014.1	1014.8	1017.3	1018.0	1015.3
	S.D.	10.424	10.589	9.185	8.146	6.661	6.156	5.540	5.879	7.223	8.529	9.577	10.128	8.803
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
1	MEAN	1020.9	1019.8	1015.5	1014.9	1011.7	1010.4	1012.3	1012.2	1014.0	1015.0	1017.8	1018.6	1015.2
	S.D.	10.333	10.419	8.833	7.941	6.641	6.053	5.427	5.834	7.049	8.424	9.291	10.036	8.790
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
1	MEAN	1021.0	1020.1	1016.0	1015.5	1012.3	1011.0	1012.6	1012.8	1014.8	1015.5	1018.1	1018.6	1015.7
	S.D.	10.506	10.395	8.769	7.923	6.577	5.910	5.348	5.761	6.920	8.524	9.315	10.079	8.733
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
ALL HOURS	MEAN	1021.1	1020.0	1015.9	1015.6	1012.9	1011.3	1013.1	1013.2	1014.9	1015.7	1017.8	1018.6	1015.8
	S.D.	10.414	10.583	9.182	8.278	6.747	6.274	5.516	5.894	7.088	8.533	9.618	10.136	8.845
	TOTAL OBS	1984	1808	1984	1920	1981	1920	1984	1984	1920	1984	1920	1984	23373

USAF ETAC FORM OCT 78 0-89-5 (OL A)


ATE
LMED