

AD-A134 206

ELMENDORF AFB ALASKA REVISED UNIFORM SUMMARY OF SURFACE

1/5

WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL

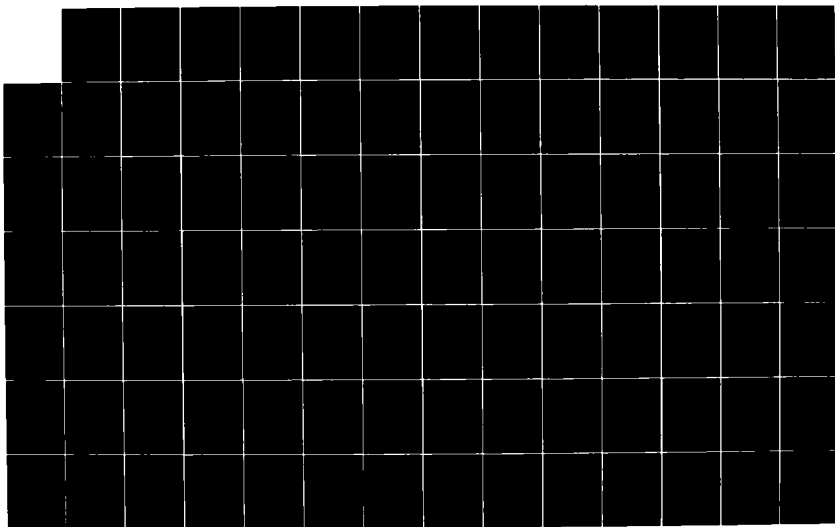
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 SEP 83

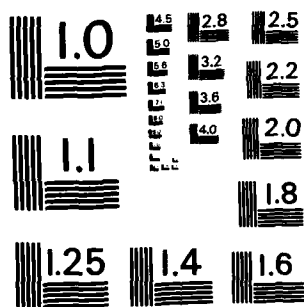
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

AD-A134 206

USAFETAC/DS-83/04-L

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DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

78m

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

ALBUQUERQUE AFB NM
E 61 15 W 106 47 ELEV 5112 FT
FAIRBANKS
AUGUST 1982 - 1982
PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 7 - MAR 82
SUMMARY OF DATA: MAR 82 - MAR 82
TIME CONVERSION: GMT TO DST: -10

SEP 09 1983

Approved For Public Release
Distribution Unlimited

FEDERAL BUILDING
ASHEVILLE, N. C.

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
USAFETAC/DS- 83/041	AD-A134206	
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Revised Uniform Summary of Surface Weather Observations (RUSSWO)- ELMENDORF AFB, ALASKA		Final rept.
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USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		
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17. DISTRIBUTION STATEMENT* (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)		
This report is a six-part statistical summary of surface weather observations for ELMENDORF AFB, ALASKA 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)		

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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

*ALASKA

*ELMENDORF AFB

USAK702720

* ELMENDORF

*ANCHORAGE

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
occurrence or cumulative percentage frequency of occurrence tables.

Accession For	
NTIS GPO	☒
DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A	



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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

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

JANUARY _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV. (FT.)		CALL SIGN		WMO NUMBER	
702720		ELMENDORF AFB ALASKA/ANCHORAGE		N 61 15		W 149 48		213		PAED		70272	
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.)	MT. BARS.					
1.	Elmendorf Alaska	AAF	Mar41	Dec43	N61 12	W149 46	UNK	189	24				
2.	SAME	Same	Jan44	May48	N61 14	W149 52	179	192	24				
3.	SAME	AFB	Jun48	Mar50	Same	Same	Same	Same	24				
4.	SAME	Same	Mar50	Oct53	N61 15	W149 48	212	Same	24				
5.	SAME	Same	Apr56	Mar61	Same	Same	Same	258	24				
6.	SAME	Same	Mar61	May 76	Same	Same	Same	176	24				
7.	Same	Same	Jun 76	May 82	Same	Same	213	205	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Mar41	Not Available	Anemometer	UNK	UNK	Wind Recorder charts began Mar43
2.	Jun48	Not Available	Selsyn	UNK	UNK	
3.	Mar53	Located on top of Hanger	AN/GMQ-1	ML-144	45ft	
4.	Apr56	Located on top of Hanger	Selsyn	ML-144	80ft	
5.	Oct58	SAME	AN/GMQ-1	None	Same	
6.	Feb61	Located adjacent and 400ft S of touchdown area of Rnwy 05	AN/GMQ-11	RO-2	13ft	
7.	Apr69	SAME	Same	RO 362	Same	

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	
8.	Jan 71	Dual Instrumented 1. Located 1500ft N of end of Rnwy AN/GMC- 23, and 500ft E of the Centerline 2. Located 1010ft S of the end of Rnwy 05, and 400ft W of the Centerline.	AN/GMC- 20 Same	Same	Same Same	
9.	May 70	SAME 1&2	Same 1&2	Same	Same 1&2	
10.	May 82	No Change				

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-WEAF sources).

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

Continued on Reverse

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		2.0		9.5		11.1	11.3				11.3	930
	03-05		2.5	.5	11.3		14.1	13.2		.2		13.4	930
	06-08		2.3	.9	11.9		14.6	12.8				12.8	930
	09-11		1.6	1.0	11.1		13.3	15.7			.2	15.9	930
	12-14		1.1	.9	11.7		13.5	11.8		.2		12.0	930
	15-17		1.6	.9	9.0		11.2	11.0		.3		11.3	930
	18-20		2.4	1.0	9.1		11.3	10.0		.3		10.3	930
	21-23		2.4	1.0	9.9		12.6	10.9		.4		11.3	930
TOTALS			2.0	.8	10.4		12.7	12.1		.2	.0	12.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02		1.7	.6	10.5		12.5	8.3		.1		8.3	846
	03-05		2.6	.4	10.8		13.6	8.7		.1		8.7	846
	06-08		1.7	.5	11.6		13.4	10.0		.1		10.2	846
	09-11		2.7		12.6		14.9	8.9				8.9	846
	12-14		2.0		10.8		12.4	5.2	.1			5.3	846
	15-17		2.8		9.5		12.1	4.7	.4			4.8	846
	18-20		2.1	.1	9.2		11.2	6.1				6.1	846
	21-23		2.1	.1	9.9		11.9	6.5				6.5	846
TOTALS			2.2	.2	10.6		12.8	7.3	.1	.0		7.4	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02		2.2	.1	13.4		14.9	1.8		.1		1.9	930
	03-05		1.5		13.9		14.8	2.5		.2		2.7	930
	06-08		1.3	.1	16.1		17.3	4.9				4.9	930
	09-11		.9	.1	14.2		15.2	2.9	.2			2.9	930
	12-14		1.8		12.6	.1	14.3	1.8				1.8	930
	15-17		1.2		10.4		11.5	1.1				1.1	930
	18-20		1.6		9.8		11.3	1.8				1.8	930
	21-23		2.5		11.6		13.3	1.5				1.5	930
TOTALS			1.6	.0	12.8	.0	14.1	2.3	.0	.0		2.3	7440

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

WEATHER CONDITIONS

701720 ELMHENDORF AFB AK 73-82 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		5.4		6.1		10.1	1.3				1.3	900
	03-05		3.8	.1	6.3		8.9	3.0				3.0	900
	06-08		3.7	.1	7.4		10.6	3.6				3.6	900
	09-11		3.4		5.8		8.4	2.0				2.0	900
	12-14		3.6		4.4		7.7	.9				.9	900
	15-17		4.0		4.8	.1	8.2	1.7				1.7	900
	18-20		4.1		5.2		9.0	3.1	.1			3.2	900
	21-23	.1	3.4		5.6		8.4	2.1				2.1	900
TOTALS		.0	3.9	.0	5.7	.0	8.9	2.2	.0			2.2	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% 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		6.5		.1		6.5	.3				.3	930
	03-05		5.7		.1		5.6	1.3	.1			1.3	930
	06-08		4.7				4.7	1.1				1.1	930
	09-11		4.6		.3		4.6	.5	.2			.5	930
	12-14		6.6		.1	.1	6.6	.1				.1	930
	15-17	.1	6.7		.1	.1	6.7	.2				.2	930
	18-20		7.5		.2		7.7						930
	21-23		7.1		.1		7.2						930
TOTALS		.0	6.2		.1	.0	6.2	.4	.0			.4	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 0720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02		11.3				11.3	.6				.6	900
	03-05		12.4				12.4	.6				.6	900
	06-08		14.4				14.4	1.2				1.2	900
	09-11		14.7				14.7	.7				.7	900
	12-14		12.3				12.3	.1				.1	900
	15-17	.2	11.6				11.6						900
	18-20	.1	10.4				10.4	.2			.1	.3	900
	21-23		9.6				9.6	.6				.6	900
TOTALS		.0	12.1				12.1	.5			.0	.5	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02		15.8				15.8	1.5				1.5	930
	03-05		17.2				17.2	4.4				4.4	930
	06-08		18.8				18.8	5.9				5.9	930
	09-11	.1	15.2				15.2	1.9				1.9	930
	12-14	.1	14.4				14.4	.5				.5	930
	15-17	.1	14.6				14.6	1.2				1.2	930
	18-20		15.8				15.8	1.5				1.5	930
	21-23	.1	15.3				15.3	1.1				1.1	930
TOTALS		.1	15.9				15.9	2.3				2.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 0720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS ILST	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		15.1				15.1	2.8				2.8	930
	03-05		14.1				14.1	6.0	.4			6.0	930
	06-08		13.8				13.8	6.3	.1			6.3	930
	09-11		12.5				12.5	2.8	.2			2.8	930
	12-14		13.9				13.9	2.0	.3			2.0	930
	15-17		12.9				12.9	1.1	.6			1.4	930
	18-20		13.9				13.9	1.3	.6			1.6	930
	21-23	.2	13.2				13.2	1.2	.3			1.3	930
TOTALS		.0	13.7				13.7	2.9	.3			3.0	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2720 ELMHENDORF AFB AK 73-82 SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS 1-24	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02		17.6		.3		17.9	1.6				1.6	900
	03-05		14.9		.3		15.2	2.8	.1			2.8	900
	06-08		16.3		.4		16.6	6.7	.2			6.7	900
	09-11		14.2		.2		14.4	1.9	.1			1.9	900
	12-14		16.2			.1	16.3	1.4				1.4	900
	15-17		17.3			.1	17.3	1.2				1.2	900
	18-20	.1	17.7			.1	17.7	1.2				1.2	900
	21-23		19.7		.1		19.8	1.0				1.0	900
TOTALS		.0	16.7		.2	.0	16.9	2.2	.1			2.2	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2720 ELMENDORF AFB AK 73-82 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02		10.4	.6	7.5		17.7	9.5				9.5	930
	03-05		11.4	.1	7.0		17.2	10.0				10.0	930
	06-08		9.0		8.7		16.7	10.3				10.3	930
	09-11		9.9		10.6		19.2	7.3				7.3	930
	12-14		9.7	.2	9.5		18.3	5.5				5.5	930
	15-17		11.3		9.5		19.8	6.8				6.8	930
	18-20		11.3	.1	7.8		18.8	7.5				7.5	930
	21-23		9.4	.4	8.4		17.7	8.7		.2		8.9	930
TOTALS			10.2	.2	8.6		18.2	8.2		.0		8.2	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02		4.1	.9	9.7		14.4	10.4				10.4	900
	03-05		3.7	.1	11.3		14.9	12.0				12.0	900
	06-08		3.0	.6	12.4		15.1	13.2		.1		13.3	900
	09-11		5.0	.3	14.0		18.7	14.2	.1	.3		14.6	899
	12-14		4.1	.1	14.1		17.9	7.0		.3		7.3	900
	15-17		3.3	.7	10.3		13.8	6.9		.1		7.0	900
	18-20		4.1	.7	12.3		16.4	7.6				7.6	900
	21-23		3.3	.9	12.4		16.2	8.7	.1			8.8	900
TOTALS			3.8	.5	12.1		15.9	10.0	.0	.1		10.1	7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

WEATHER CONDITIONS

702720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		1.2	.2	17.1		18.4	8.5				8.5	930
	03-05		.8	.2	18.3		19.2	7.1				7.1	930
	06-08		.6	.3	15.5		16.5	5.7		.1		5.8	930
	09-11		.9	.4	14.8		15.9	10.5		.2		10.8	930
	12-14		.9		19.8		20.7	8.8		.1		8.9	929
	15-17		.4	.4	16.6		17.2	8.5				8.5	927
	18-20		1.2		18.7		19.2	9.2		.2		9.4	927
	21-23		.8	.5	17.5		18.3	9.4		.3		9.7	927
TOTALS			.9	.3	17.3		18.2	8.5		.1		8.6	7430

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2720 ELMENDORF AFB AK 73-82 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		2.0	.8	10.4		12.7	12.1		.2	.0	12.3	7440
FEB			2.2	.2	10.6		12.8	7.3	.1	.0		7.4	6768
MAR			1.6	.0	12.8	.0	14.1	2.3	.0	.0		2.3	7440
APR		.0	3.9	.0	5.7	.0	8.9	2.2	.0			2.2	7200
MAY		.0	6.2		.1	.0	6.2	.4	.0			.4	7440
JUN		.0	12.1				12.1	.5			.0	.5	7200
JUL		.1	15.9				15.9	2.3				2.3	7440
AUG		.0	13.7				13.7	2.9	.3			3.0	7440
SEP		.0	16.7		.2	.0	16.9	2.2	.1			2.2	7200
OCT			10.2	.2	8.6		18.2	8.2		.0		8.2	7440
NOV			3.8	.5	12.1		15.9	10.0	.0	.1		10.1	7199
DEC			.9	.3	17.3		18.2	8.5		.1		8.6	7430
TOTALS		.0	7.4	.2	6.5	.0	13.8	4.9	.0	.0	.0	5.0	87637

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.

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

46-82
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	.1	12.9	5.7	52.0		55.9	41.1	2.3	1.7		42.7	1146
FEB			11.5	2.9	48.4	.1	52.0	33.6	1.0	1.7		34.6	1045
MAR			11.7	1.1	43.3		46.9	17.8	1.0	.9		18.5	1147
APR		.2	22.8	.5	30.3	.2	40.8	14.7	.9	.2		15.1	1092
MAY		.3	50.8		4.5	.3	47.5	5.1	.3			5.2	1147
JUN		.9	58.4			.2	53.7	6.0	.5		.1	6.6	1110
JUL		1.2	51.2				56.2	14.0	1.6		.3	15.0	1147
AUG		.7	63.6			.1	58.6	17.4	.9			17.9	1146
SEP		.5	65.0		2.4	.2	60.6	20.9	.6			21.3	1110
OCT		.1	42.1	1.8	30.7	.1	55.6	28.0	.3	.2		28.1	1137
NOV			21.8	4.5	47.4	.1	55.9	35.9	2.2	1.3		37.4	1110
DEC			12.5	5.0	60.9		63.6	44.5	1.7	2.4		46.3	1147
TOTALS		.3	36.2	1.8	26.7	.1	53.9	23.2	1.1	.7	.0	24.1	13484

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

B

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

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

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

Continued on Reverse Side

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

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR LEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

700720 LMENDDGF AFB AK 41-82
STATION STATION NAME YEARS

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	42.4	30.9	3.9	5.4	5.1	6.5	1.7	.6	.2					26.3	1240	.92	2.63	.03	
FEB	45.1	26.9	3.5	9.0	5.0	5.7	3.0	.7	.1					26.9	1229	.92	2.93	TRACE	
MAR	52.1	23.9	4.5	7.1	4.8	5.3	1.7	.4	.2					24.0	1262	.85	3.03	.13	
APR	58.6	22.4	2.7	6.3	3.2	4.9	1.6	.3						19.3	1210	.59	2.96	.01	
MAY	48.1	34.0	3.5	5.5	4.0	3.2	1.3	.2		.1				17.9	1256	.61	3.51	TRACE	
JUN	42.3	30.1	3.3	7.7	5.3	6.3	2.9	1.5	.2					27.3	1224	1.16	3.72	.09	
JUL	39.0	23.2	4.4	8.7	6.4	9.2	6.4	2.2	.6					37.7	1243	2.12	4.94	.35	
AUG	36.2	20.7	4.2	11.1	8.0	10.7	6.2	2.6	.2					43.1	1243	2.22	5.03	.27	
SEP	34.5	19.2	4.6	11.7	8.5	11.9	5.4	3.2	.8					46.2	1200	2.51	6.41	.15	
OCT	40.7	23.3	4.9	9.7	6.5	8.1	5.1	1.6	.2					36.0	1224	1.66	3.39	.20	
NOV	42.5	30.2	3.0	8.4	4.6	7.0	2.8	1.2	.2					27.2	1200	1.19	2.93	.05	
DEC	36.7	31.5	3.8	9.5	5.4	8.0	3.8	1.0	.2					31.8	1271	1.30	3.63	.14	
ANNUAL	43.3	26.4	3.9	8.6	5.6	7.2	3.5	1.3	.2	.1				30.3	14711	16.09			

GLOBAL CLIMATOLOGY BRANCH
ETAC
A WEATHER SERVICE / MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

1072 ELMENDORF AFB AK
STATION STATION NAME

41-92

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41			* .18*	.48	.20	.80	.41	.11	.30*	.55	1.10	.30	
42	.14	.26	.15	.25	.05	.20							
43												1.34	
44	.77*	.31	.1-	.11*	.19	.14	.51	.76	.77*	.40	.20	.47	.77
45	.15	.63	1.90	.24	.22	.33	.49	.94	.56	.35	.41	.13	1.90
46	.29	.66	.37	.60	3.21	.15	1.18	.42	.35	.47	.52	.50	3.21
47	.23	.45	.07	.01	.08	.08	.53	.77	1.34	.36	.22	.42	1.34
48	.15	.24	.27	.01	TRACE	.14	.72	.45	1.00	.77	.50	.32	1.00
49	.32	.36	.48	.26	.19	.67	.30	.42	.53	.50	.38	.58	.68
50	1.12	TRACE	.50	.08	TRACE	.77	.39	.21	.25	.17	.05	.50	1.12
51	.15	.27	.40	.15	TRACE	.47	.64	.73	1.52	.43	.06	.58	1.52
52	.54	.14	.40	.35	.03	.06	.44	.58	.67	1.09	.50	.45	1.09
53	.15	.38	.29	.16	.41	.15	.78	.85	.52*	.29	.36	.36	.85
54	.37	.14	.34	.03	.70	.41	.49	.45	.41	.70	.41	.53	.70
55	.31	.70	.19	.35*	.01*	.32	.54	1.39	.61	.51	.25	1.36	1.39
56	.32	1.38	.19*	.33	.15	.23	1.60	.61	.47	.95	.67	.64	1.60
57	.68	.46	.16	.02	.01	.21	.85	.70	.70	.41	.54	.28	.85
58	.57	.15	.17	.7	.27	.77	1.42	.63	.22	.81	.84	.52	1.42
59	.21	.63	1.26	.41	.20	.29	.64	.98	.49	.37	.35	.61	1.26
60	.38	.26	.45	.22	.24	.10	.47	1.56	1.22	.10	.50	.47	1.56
61	.83	.30	.31	.54	.35	.28	.53	.58	1.47	.61	.78	.39	1.47
62	.69	.85	.51	.25	.40	1.31	.12	.74	.54	.35	.12	.24	1.31
63	.71	.85	.25	.83	.30	.30	.71	.68	.19	.18	.24	.31	.85
64	.24	.19	.45	.14	.41	.51	.44	.43	.24	.76	1.58	.52	1.58
65	1.16	.52	.45	.11	.30	.54	.70	.60	.71	.61	.36	.75	1.16
66	.20	.28	.16	.16	.07	.11	.08	.58	.93	.52	.23	.14	.93
67	.34	.26	.25	.10	.50	.30	.49	.60	1.08	.51	.66	.34	1.08
68	.23	.47	.07	.32	.44	.22	.66	.23	.34	.52	.25	.10	.66
69	.41	.29	.15	.23	.72	.33	1.61	.18	.09	.41	.07	.20	1.61
70	.32	.12	.32	.15	.33	.31	.40	.33	.25	.25	.30	.36	.40
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AFC WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

7 1720	ELMENDORF AFB AK
STATION	STATION NAME

41-22

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

7 1720 ELMENDORF AFB AK
STATION STATION NAME

41-52

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41			*.42*	1.12	.57	3.72	1.91	.27	1.00*	1.41	2.48	.53	
42	.31	.75	.27	.56	.09	.35							
43												2.51	
44	2.07*	.61	.54	.17*	.34	.77	2.24	3.56	2.61*	1.07	.29	1.47	*15.74
45	.27	1.36	2.70	.47	.98	1.12	1.61	4.17	2.56	1.98	1.14	.14	16.50
46	.98	1.74	.82	1.1	3.51	.19	1.79	1.81	1.26	1.40	1.39	1.56	17.46
47	.75	.48	.43	.01	.25	.15	1.21	1.88	4.58	.81	1.31	1.18	13.04
48	1.01	.45	1.00	.01	TRACE	.36	3.68	2.00	2.64	2.26	1.47	.93	15.71
49	2.27	.89	.96	.88	.45	2.75	1.59	1.74	2.53	1.64	.91	2.48	19.39
50	1.77	TRACE	.60	.09	TRACE	1.63	1.37	.88	.97	.22	.05	2.41	9.99
51	.50	.85	.50	.39	TRACE	2.25	2.27	2.46	4.98	.85	.22	1.43	16.73
52	1.52	.45	1.16	.68	.03	.09	2.32	2.64	2.30	3.39	1.23	1.27	17.08
53	.28	.90	.72	.22	.83	.43	1.67	5.03	2.10*	.76	.51	2.11	*15.56
54	.72	.36	1.21	.03	.84	1.11	2.17	2.15	1.57	1.50	1.32	1.55	14.61
55	1.07	2.93	.62	1.30*	.01*	1.54	1.65	3.51	1.20	1.88	.69	3.63	*20.03
56	.59	2.92	.27*	.93	.55	.41	2.68	1.54	1.57	2.52	2.93	1.20	*18.11
57	2.19	1.61	.51	.03	.02	.66	2.75	2.41	3.38	1.23	2.12	.98	17.89
58	1.24	.17	.49	.23	1.05	2.17	4.94	2.18	1.04	2.19	2.38	.98	19.06
59	.43	1.14	2.57	1.60	.46	.46	3.88	3.18	1.46	1.53	1.35	3.03	21.09
60	1.85	.57	.63	.30	.46	.35	3.37	2.99	4.01	.20	1.04	1.10	16.87
61	1.41	.87	.78	1.65	.55	1.49	1.94	1.69	6.25	2.83	1.90	2.01	23.37
62	1.64	.98	1.62	.58	1.47	3.12	.35	2.94	1.49	1.19	.34	.71	16.43
63	2.60	1.73	1.29	2.96	.45	1.11	2.22	3.31	.92	.80	.26	1.01	16.66
64	.52	.69	1.89	.69	.94	1.89	1.23	2.08	.80	2.73	2.79	1.54	17.89
65	1.43	1.09	1.09	.17	.78	1.11	2.04	1.67	4.24	1.68	.85	1.74	17.89
66	.41	.97	.45	.52	.44	.58	.54	2.60	2.40	1.19	.83	.58	11.51
67	1.27	.97	.71	.39	.98	1.39	2.01	3.10	3.73	.87	1.48	1.79	18.69
68	.60	1.37	.13	.60	2.00	.45	1.42	.57	1.13	1.48	.62	.38	10.79
69	.50	.82	.25	.23	.94	.43	3.58	.41	.15	.83	.20	.55	9.05
70	.79	.40	.60	.42	.41	.78	1.81	1.84	.62	1.18	.72	1.08	10.65
MEAN													
SD													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

41-22

FROM DAILY OBSERVATIONS

YEARS

1

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

7 2720 STATION ELMENDORF AFB AK 46-82 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	45.7	28.1	9.9	8.1	3.5	2.0	.6	.7	.3	.2				25.2	1147	9.5	29.4	.5
FEB	30.2	24.3	9.9	6.8	3.3	1.9	1.1	1.5	.8	.1				25.5	1045	11.2	40.1	TRACE
MAR	55.1	22.5	7.9	5.3	3.9	1.3	.4	1.0	.3	.3				21.4	1147	9.5	32.7	1.6
APR	69.4	16.8	5.0	4.7	1.9	.9	.6	.3	.4					13.9	1090	5.4	29.6	TRACE
MAY	95.6	3.7	.3	.3	.1	.1								.8	1147	.2	3.0	.3
JUN	100.0														1110	.0	.0	.0
JUL	100.0														1147	.0	.0	.0
AUG	100.0														1147	.0	.0	.0
SEP	97.6	1.6	.3	.4	.2									.8	1110	.2	1.8	.0
OCT	69.1	16.6	4.5	4.0	2.5	1.1	.8	1.0	.4					14.3	1137	7.7	27.5	TRACE
NOV	51.6	27.3	6.1	6.1	3.1	2.4	1.4	1.2	.6	.2				21.1	1107	11.6	39.6	.6
DEC	38.4	29.8	11.4	8.7	4.9	2.3	2.0	1.7	.5	.3				31.8	1116	15.5	45.8	.9
ANNUAL	72.9	14.2	4.6	3.8	1.9	1.0	.6	.6	.3	.1				12.9	13450	70.9		

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR LEATHER SERVICE/HAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

70.720
STATIONELMENDORF AFB AK
STATION NAME

N6-82

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46		5.1	10.3	3.1	6.0	.0	.0	.0	.0	.0	.8	4.5	5.6	10.3
47		3.4	4.5	1.5	TRACE	.4	.0	.0	.0	1.8	1.6	3.7	4.3	4.5
48		1.7	2.4	2.7	TRACE	.0	.0	.0	.0	TRACE	6.5	4.4	3.8	6.5
49		4.9	3.6	5.7	4.1	1.0	.0	.0	.0	.0	3.9	3.8	6.0	6.0
50		11.2	TRACE	5.0	.8	.0	.0	.0	.0	TRACE	TRACE	1.2	6.0	11.2
51		1.6	1.9	3.8	TRACE	.0	.0	.0	.0	.0	1.0	.5	2.8	3.8
52		5.7	.9	4.0	3.5	TRACE	.0	.0	.0	.0	5.8	5.0	4.5	5.8
53		2.1	3.8	2.9	1.6	TRACE	.0	.0	.0	.0	TRACE	3.6	3.6	3.8
54		1.4	1.3	3.8	.3	.0	.0	.0	.0	.0	7.6	3.6	5.8	7.6
55		4.5	7.3	3.1	5.5	.0	.0	.0	.0	.0	4.3	4.2	15.0	15.0
56		2.2	13.7	1.0	3.3	TRACE	.0	.0	.0	.4	7.9	14.6	4.2	14.6
57		1.7	5.2	1.9	.3	.0	.0	.0	.0	TRACE	1.4	5.1	2.9	5.2
58		5.9	1.8	1.9	.7	.0	.0	.0	.0	TRACE	2.1	8.2	5.5	8.2
59		2.1	6.5	13.4	4.1	TRACE	.0	.0	.0	.0	2.5	3.5	6.1	13.4
60		3.8	2.8	4.5	2.2	.0	.0	.0	.0	TRACE	.1	5.0	4.4	5.0
61		1.6	3.3	3.1	5.4	.0	.0	.0	.0	1.8	5.5	7.8	3.9	7.8
62		6.9	.9	5.1	1.6	.0	.0	.0	.0	.0	2.0	1.1	2.4	6.9
63		7.1	8.5	2.5	10.0	2.8	.0	.0	.0	.0	1.5	2.4	3.1	10.0
64		3.3	6.0	5.0	1.7	TRACE	.0	.0	.0	.0	9.1	9.6	6.8	9.6
65		11.6	5.4	2.2	.4	TRACE	.0	.0	.0	1.2	5.2	2.9		
66		2.9	2.3	1.5	1.6	TRACE	.0	.0	.0	.0	.7	3.0	1.9	3.0
67		4.9	3.5	2.0	.3	.0	.0	.0	.0	.0	6.0	3.4	7.2	7.2
68		2.7	7.9	1.6	1.5	.0	.0	.0	.0	.9	4.9	5.1	2.6	7.9
69		3.1	5.6	1.3	TRACE	TRACE	.0	.0	.0	.0	.2	.7	2.4	5.6
70		5.0	1.9	2.4	2.6	TRACE	.0	.0	.0	TRACE	2.1	2.5	5.1	5.1
71		.8	5.9	4.9	1.7	TRACE	.0	.0	.0	.0	2.4	2.4	4.0	5.9
72		3.2	4.7	6.0	3.0	TRACE	.0	.0	.0	.6	1.0	5.5	4.6	6.0
73		8.8	.7	5.6	1.3	TRACE	.0	.0	.0	.0	2.9	5.7	3.9	8.8
74		.6	4.5	5.1	1.1	.0	.0	.0	.0	.0	3.5	4.7	7.9	7.9
75		1.3	4.8	2.3	3.3	.3	.0	.0	.0	.0	.3	1.9	5.4	5.4
MEAN														
S D														
TOTAL OBS														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

70172 ELMENDORF AFB AK
STATION STATION NAME

46-92

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
46	17.0	26.3	6.8	10.8	.0	.0	.0	.0	.0	.9	16.3	16.3	95.4
47	9.6	4.8	5.1	TRACE	.4	.0	.0	.0	1.8	2.9	13.8	9.8	48.2
48	9.1	4.4	10.5	TRACE	.0	.0	.0	.0	TRACE	8.5	12.0	12.0	56.5
49	29.4	9.7	9.1	12.5	1.9	.0	.0	.0	.0	7.0	6.1	22.6	100.3
50	17.2	TRACE	6.0	.8	.0	.0	.0	.0	TRACE	TRACE	1.2	24.5	49.7
51	5.7	7.7	4.5	TRACE	.0	.0	.0	.0	.0	1.5	.5	9.7	29.7
52	13.9	1.6	11.6	6.4	TRACE	.0	.0	.0	.0	11.4	11.6	9.0	65.9
53	2.8	6.6	4.5	2.2	TRACE	.0	.0	.0	.0	TRACE	5.1	20.6	* 41.8
54	3.6	3.7	12.8	.3	.0	.0	.0	.0	.0	7.7	10.1	20.0	58.2
55	16.4	40.1	5.8	15.0	.0	.0	.0	.0	.0	16.8	9.5	37.6	141.6
56	4.9	32.5	1.6*	10.3	TRACE	.0	.0	.0	.0	18.5	39.6	8.5	* 116.5
57	13.1	25.3	6.0	.3	.0	.0	.0	.0	TRACE	1.7	8.9	9.7	60.0
58	12.2	1.9	3.8	1.1	.0	.0	.0	.0	TRACE	5.9	23.5	10.5	58.9
59	4.3	11.6	26.6	8.6	TRACE	.0	.0	.0	.0	7.0	14.7	31.9	104.7
60	16.0	5.8	6.3	2.6	.0	.0	.0	.0	TRACE	.2	10.2	6.2	47.9
61	2.6	9.4	7.8	8.1	.0	.0	.0	.0	1.8	23.0	18.6	15.0	86.3
62	15.9	1.1	16.2	2.6	.0	.0	.0	.0	.0	2.0	2.8	4.4	45.0
63	13.0	17.1	9.5	29.6	2.8	.0	.0	.0	.0	1.6	2.6	5.9	82.6
64	6.6	13.7	18.2	5.0	TRACE	.0	.0	.0	.0	15.0	21.0	20.7	100.2
65	12.9	11.5	2.7	.6	3.0	.0	.0	.0	1.3	18.7*	4.3		
66	5.6	8.6	4.6	3.3	TRACE	.0	.0	.0	.0	1.8	14.2	8.1	46.2
67	19.9	13.9	6.5*	.7	.0	.0	.0	.0	.0	8.3	3.6	23.3	* 76.2
68	7.8	25.2	3.1	6.3	.0	.0	.0	.0	.8	12.9	14.3	8.4	78.9
69	6.4	13.2	2.3	TRACE	TRACE	.0	.0	.0	.0	.3	1.8	7.7	31.7
70	15.3	5.1	2.4	6.0	TRACE	.0	.0	.0	TRACE	3.4	3.6	12.8	48.6
71	1.7	18.8	13.4	5.6	TRACE	.0	.0	.0	.0	11.9	9.1	16.9	77.4
72	10.0	7.0	19.2	10.1	TRACE	.0	.0	.0	.6	3.8	16.8	8.8	76.3
73	18.2	.7	18.7	1.5	TRACE	.0	.0	.0	.0	6.9	12.9	9.9	68.8
74	.9	19.2	9.7	3.1	.0	.0	.0	.0	.0	7.1	12.5	45.8	98.3
75	3.7	21.1	9.2	11.0	.4	.0	.0	.0	.0	.3	2.4	20.5	69.6
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

EXTREME VALUES
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

7 3720	ELMENDORF AFB AK
STATION	STATION NAME

46-87

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

7 8720 ELMENDORF AFB AK 41-82
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	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	1.0	3.1	1.8	4.8	4.0	15.0	32.4	35.3	2.5					95.8	1243			
FEB		2.5	1.9	3.3	3.5	15.1	31.1	36.1	5.0	1.2				97.2	1128			
MAR	2.4	5.0	3.4	5.9	5.9	16.2	31.5	25.6	2.5	.6	.1			92.6	1262			
APR	49.7	14.1	7.0	4.6	4.0	6.8	9.9	4.6						36.9	1237			
MAY	7.6	1.6	.1	.3		.1	.3							.8	1271			
JUN	100.0														1230			
JUL	100.0														1240			
AUG	100.0														1240			
SEP	99.9	.1													1200			
OCT	71.6	7.0	4.4	4.3	3.4	6.5	2.9							21.4	1223			
NOV	19.9	11.9	11.2	12.9	7.8	18.3	15.6	2.2						68.2	1200			
DEC	2.0	8.3	3.3	8.7	5.0	20.4	35.6	16.5	.2					89.7	1271			
ANNUAL	53.6	4.5	2.8	3.7	2.9	8.2	13.3	10.0	.8	.1	.0			41.9	14712			

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

702720
 STATION

ELMENDORF AFB AK
 STATION NAME

41-82

YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41			*	5*	1	0	0	0	0	0	5	7	3	
42		TRAC	4	8	3	0	0	0	0	0			9	
43							0	0	0	0				
44		22*	19	11	3	0	0	0	0	0*	0	4	14	22
45		4	9	9	3	9	0	0	0	0	2	6	6	9
46		11	41	18	16	0	0	0	0	0	TRACE	7	16	41
47		25	28	12	2	0	0	0	0	0	1	4	6	24
48		14	9	9	9	0	0	0	0	0	7	8	8	14
49		30	41	34	12	2	0	0	0	0	3	7	18	41
50		30	15	9	7	0	0	0	0	0	0	1	18	37
51		21	15	13	2	0	0	0	0	0	TRACE	1	10	20
52		23	9	17	4	0	0	0	0	0	7	6	9	23
53		8	11	5	7	0	0	0	0	0	0*	0	4	16
54		14	12	17	7	0	0	0	0	0	8	5	15	17
55		21	29	21	14	TRACE	0	0	0	0	10	9	10	30
56		29	31	18*	12	0	0	0	0	0	8	19	16	31
57		16	20	50	1	0	0	0	0	0	1	5	5	50
58		14	9	6	1	0	0	0	0	0	1	16	19	19
59		20	13	41	12	0	0	0	0	0	4	7	16	41
60		14	18	16	8	0	0	0	0	0	0	7	8	18
61		5	4	7	4	0	0	0	0	0	8	15	14	15
62		18	19	22	8	0	0	0	0	0	TRACE	3	4	22
63		17	15	10	14	0	0	0	0	0	2	4	5	15
64		6	12	13	12	0	0	0	0	0	10	15	21	21
65		21	21	19	0	2	0	0	0	0	10	12	22	23
66		21	21	19	9	0	0	0	0	0	0	8	9	21
67		18	17	15	5	0	0	0	0	0	8	5	12	18
68		8	17	5	7	0	0	0	0	0	8	10	14	17
69		15	20	15	4	0	0	0	0	0	TRACE	1	4	20
70		13	13	5	3	0	0	0	0	0	2	3	7	13
MEAN														
S D														
TOTAL OBS														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 34-5 (OIA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

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

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

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR LEATHER SERVICE/MAC

EXTREME VALUES SURFACE WINDS

FROM DAILY OBSERVATIONS

STATION 720 ELM NDOPF AFB AK
STATION NAME

49-53, 56-59, 61-82
YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	A. MONTHS
49			26N	18ESE	23W	36W	*17NNW	24E	24E	62E	41N	*30	
50	37N	61ESE	38SE	40ESE	30SE	28S	26NNW	16SSE	*40NNW	*17N	72S	26	N 72
51	NN	*4SE	52NNW	42E	35E	31W	26S	29S	30N	30SSE	37N	47S	NNW*54
52	N	50N	26NNW	41N	30NNE	35SE	36SE	28SE	30NW	28NE	43ENE	39NE	N 50
53	ENE	66ESE	52SSE	42NNE	30SSE	24NNW	31W	16SSE	38N	34NE	*42		
54					43SE	27SW	20SSW	18S	42SSE	*25ESE	59N	17	
55	SE	57N	45E	28ESE	30E	43SSE	26NW	30NW	29ESE	38VNE	37W	35NNW	37 SSE 57
56		36NNW	61SSE	47SE	28SSE	49SSE	35NNW	33SSE	*37				
57				28N	34ESE	23SSE	24SE	27	26S	28S	33SE	32NNW	30
58	SE	31SSW	23NW	38NE	19SW	24SW	26ENE	30SSW	30S	24W	23E	35NE	39 NE 39
59		19NE	49NE	44NNE	38SSE	36SSE	*25NNW	*20S	34NNE	*12N	*12	N *20	
60	N	*31S	*33				SSW	*34S	*22SSW	40S	39ENE	48	
61		30S	31S	37NNW	40ESE	28S	29N	28S	22SSE	32N	27N	*10N	NNW 42
62	N	35SSW	48NE	34SSE	18SSW	28SW	25W	25W	24NE	34N	43N	28NNE	44 SSE 44
63	NE	6JNNE	30SSW	39N	40S	25S	28SSW	34SW	27E	33NNE	28S	47E	E 64
64	NE	53SE	34N	25SSW	33S	22SW	2423/	20 7/	2031/	2521/	3936/	3121/	40 NE 53
65	13/	4011/	4219/	3315/	25 7/	2817/	2516/	2521/	3220/	2036/	5921/	3411/	45 36/ 59
66	36/	3536/	4811/	4036/	3610/	3321/	2717/	2620/	3632/	2622/	4536/	4019/	48 36/ 48
67	36/	6212/	3110/	3611/	2912/	5410/	2920/	2221/	2121/	3318/	2833/	24 2/	40 36/ 62
68	36/	35 4/	41 1/	23 5/	301-/	2614/	2622/	2318/	2222/	4016/	3320/	25 3/	33 4/ 41
69	17/	41 8/	3722/	3522/	2714/	3023/	2320/	2318/	22 6/	2221/	2836/	24 8/	27 17/ 41
70	4/	44 2/	1821/	3516/	2232/	3122/	2825/	2125/	2636/	3336/	4522/	3420/	47 20/ 47
71	19/	29 5/	3822/	2935/	2524/	2822/	2724/	2223/	1614/	2620/	34 6/	3520/	44 20/ 44
72	16/	4529/	2622/	3311/	2424/	2720/	3219/	2631/	22 5/	3623/	3627/	3812/	39 15/ 45
73	12/	44 7/	2520/	2715/	3020/	3329/	2222/	4818/	2115/	3014/	2934/	17 2/	21 22/ 44
74	1/	26 8/	34 4/	2517/	3517/	2322/	2927/	2721/	4215/	2914/	42 4/	53 1/	26 4/ 53
75	27/	38 3/	5215/	3722/	2022/	2523/	2620/	3230/	2218/	2616/	4220/	4236/	38 3/ 52
76	6/	5615/	3912/	3912/	41 8/	2623/	2516/	2121/	32 2/	3034/	3636/	2228/	24 6/ 56
77	15/	3310/	3811/	44 9/	2821/	2320/	2921/	2320/	2622/	2320/	3522/	25 5/	28 11/ 44
78	3/	43 3/	5018/	2935/	2715/	2621/	2920/	2620/	2117/	47 2/	2518/	3432/	48 3/ 50
MEAN	42.0	39.6	34.8	30.1	30.2	27.9	26.4	26.3	30.5	37.2	36.6	37.4	49.6
SD	11.52911	78	6.737	6.560	8.039	3.577	5.970	6.546	6.501	9.49912	0.8710	1.165	6.850
TOTAL OBS	317	732	853	839	896	838	874	906	839	848	778	831	10051

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 720 ELLENBORF AFB AK 73-82 JAN MONTH
STATION NAME YEARS
ALL WEATHER CLASS 0000-0000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.3	2.8	1.0	1.0							11.0	6.1
NNE	4.0	5.2	3.5	.6	.2	.6						10.1	6.0
NE	3.6	5.9	.5	.3	.1	.1	.1					13.7	4.3
ENE	10.2	7.0	.2	.2								17.6	3.4
E	1.4	1.6	.2	.1								5.4	3.2
ESE	.0	.3		.1								.8	4.3
SE	.4	.2										.6	3.2
SSE	.1	.2		.1								.4	6.3
S	.0	.4	.4	.2	.2	.1						1.0	10.3
SSW		.0	1.1	.6	.4							2.8	10.4
SW		.1	.1	.1								.3	10.0
WSW	.1	.1	.1	.1								.4	6.8
W	.0	.2	.4									.9	6.0
WNW		.4										.4	4.8
NW	.4	.1	.3									.9	4.9
NNW	.0	1.2	.6	.5								2.7	6.9
VARBL													
CALM												26.5	
	29.2	25.9	10.4	5.1	1.0	.9	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 1720 STATION ELMENDORF AFB AK 73-82 YEARS JAN NORTH
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.7	4.7	1.5	.2							11.1	7.6
NNE	4.4	5.8	3.0	.5	.6	.2						14.6	6.0
NE	6.2	5.8	1.0		.3		.2					14.2	4.3
ENE	5.8	5.3	.3									14.4	3.2
E	3.0	1.8	.3	.2								6.2	3.7
ESE	.4	.2	.1									.6	3.9
SE		.3										.3	4.3
SSE	.2	.2	.2									.6	5.3
S	.4	.3	1.0	.1								1.3	6.2
SSW	.3	.1	.8	.6								1.8	8.8
SW		.2	.2									.4	6.8
WSW	.4	.2	.2	.1	.1							1.1	6.9
W	.4	.1	.1									.6	3.5
WNW	.2	.2										.4	4.0
NW	.4	.1										.5	2.8
NNW	.4	.5	.8	.4								2.2	7.6
VARBL													
CALM												28.8	
	25.3	24.9	12.7	3.5	1.3	.2	.2					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION: ELLMENDORF AFB AK YEARS: 73-82 MONTH: JAN
STATION NAME: CLASS: ALL WEATHER HOURS (L.S.T.): 0600-2800
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.6	3.1	1.5	.1	.1						9.7	7.4
NNE	4.1	6.1	2.8	1.7	.3	.4	.3					15.1	6.7
NE	9.1	5.9	.3	.2		.2						14.7	3.8
ENE	9.1	6.5	.2		.1							16.0	3.4
E	9.2	2.0	.2									5.5	3.2
ESE	.2	.4	.1									.8	4.4
SE	.2	.1										.3	3.3
SSE	.2	.1	.2	.1								1.1	4.8
S	.5	.2	.4	.1	.1							1.8	5.9
SSW	.7	.2	.6	.4								2.0	7.3
SW	.7	.1	.4	.2								1.0	8.6
WSW	.2	.3	.1	.1								.8	5.6
W	.1	.5					.1					.9	7.3
WNW	.6	.5	.1	.1								1.4	4.2
NW	.2		.2	.2								.6	8.5
NNW	.6	.6	.9	.1								2.3	6.3
VARBL													
CALM												26.0	
	30.2	23.0	9.8	4.1	.6	.8	.4					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 929

EL PASO CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

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

SURFACE WINDS

700720 STATION ELMENDORF AFB TX 73-82 YEARS JAN MONTH
ALL WEATHER CLASS 0900-1100 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.7	4.1	1.2								11.6	6.4
NNE	4.7	6.6	2.8	1.4		.4						10.1	5.9
NE	7.3	5.3	.6		.3	.6	.2					14.1	5.1
ENE	7.2	5.3	.6	.1								13.8	3.6
E	2.5	2.1	.2									5.1	3.3
ESE	.7	.1	.2									1.2	3.7
SE	.2	.1										.4	2.5
SSE	.4	.2	.1									.3	3.7
S	.5	.5	.8	.1	.1	.1	.1					2.3	6.6
SSW	.3	.1	.4	.3	.2							1.4	9.5
SW	.1	.4		.2								.8	6.1
WSW	.1	.3	.1									.5	4.6
W	.3		.3	.1								.8	5.9
WNW	.1	.2	.2									.6	6.5
NW	.2	.4	.3	.1	.1							1.2	7.3
NNW	.3	.7	.5	.4	.1							2.3	7.4
VARBL													
CALM												27.2	
	20.4	26.7	11.4	4.7	.9	1.2	.3					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1720 ELMENDORF AFB AK STATION NAME 73-82 YEARS JAN
 CLASS ALL WEATHER HOURS (L S T) 1200-1400
 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	3.5	3.2	1.6	.3							10.5	7.3
NNE	5.5	9.2	3.4	1.3	.1	.2						20.8	5.4
NE	.1	5.3	.5	.4	.1	.2	.4					13.1	5.1
ENE	5.7	4.3	.2									10.2	3.3
E	5.5	2.4	.2		.1							6.2	3.6
ESE	.4	.4	.3									1.2	4.5
SE	.1			.1								.2	0.5
SSE	.2	.1	.2	.3								1.0	7.9
S	.4		.1	.3	.3							1.2	10.5
SSW	.2	.8	.4		.1							1.5	6.7
SW	.2	.5	.1		.1							1.0	6.2
WSW	.4	.2	.1									.8	3.1
W	.1	.1	.3									.5	6.8
WNW	.4	.3	.3	.1								1.2	5.7
NW	.2	.3	.4	.3								1.3	7.8
NNW	.2	.8	.8	.6								2.4	6.0
VARBL													
CALM												27.0	
	26.8	28.3	10.8	5.2	1.2	.4	.4					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7320 ELMHORRE AFB AK STATION NAME 73-82 YEARS JAN
ALL WEATHER 1500-1700
 CLIM HOURS (LST)
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.5	2.9	2.7	.2							9.4	7.7
NNE	1.5	7.2	7.4	1.2	.5	.4						18.3	5.9
NE	5.2	6.1	.8	.2	.2	.2	.1					15.8	4.2
ENE	6.1	4.8	.2	.1								11.3	3.5
E	1.1	1.6	.7									4.9	3.3
ESE	.3	.2	.2	.1								.9	6.1
SE	.2		.1									.4	1.0
SSE	.4	.1		.2								.8	5.4
S	.6	.3	.2	.2								1.8	5.6
SSW	.1	.1	.8		.4							1.9	9.6
SW	.1	.3	.5	.1								1.2	6.8
WSW	.1	.2										.4	3.3
W	.1	.5	.5	.1	.1							2.2	5.9
WNW	.2	.2										.3	3.6
NW	.1	.2	.1									.4	5.5
NNW	.1	.5	1.3	.2								2.6	6.9
VARBL													
CALM												27.2	
	25.7	26.0	11.3	4.5	1.5	.6	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7.725 STATION 73-62 JAS NORTH
ELMENDORF AFB AK 1800-2000
ALL WEATHER CLASS HOURS (L & T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.3	3.0	2.7	.1							13.2	7.7
NNE	3.0	4.9	3.0	1.4	.9	.4						14.4	7.2
NE	.1	6.3	.6	.2	.7							15.9	3.8
ENE	4.8	7.1	.3	.1		.1						16.5	3.5
E	2.1	1.9	.3	.1								4.9	3.7
ESE	.4	.2		.1								.8	4.4
SE	.7	.2										.5	3.4
SSE	.4	.1	.2									.3	4.6
S	.2	.6	.4	.2								1.5	6.8
SSW	.7	.5	.8	.6	.3	.1						2.6	10.0
SW	.2	.7	.4									.6	6.7
WSW	.4	.2	.1									.9	7.0
W	.2	.4	.1	.1								.9	5.3
WNW		.1	.2									.3	6.0
NW	.3		.1									.4	4.0
NNW		.5	.4	.5								1.5	8.7
VARBL													
CALM												27.3	
	28.1	26.2	17.1	5.1	1.5	.6						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE /MAC

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

SURFACE WINDS

STATION 210720 ELMENDORF AFB AK STATION NAME 73-82 YEARS JAS
NORTH
CLASS ALL WEATHER HOURS (LST) 2100-2300
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	1.4	3.7	5.2	2.3	1.1							13.3	6.2
NNE	4.5	4.5	3.6	.9	.4	.1	.1					14.1	6.1
NE	4.2	6.7	1.6	.1	.2		.2					17.0	4.3
ENE	7.1	5.1	.1	.2	.1							12.6	3.6
E	2.7	1.3										4.2	2.9
ESE	.2		.1									1.0	2.4
SE	.1											.1	3.0
SSE	.3	.1	.1	.1								.6	5.7
S	.2	.4	.6	.2		.2						1.6	10.2
SSW	.2	.4	.6	.9	.3							2.5	11.0
SW	.1	.2	.1									.4	5.8
WSW	.2		.1									.3	3.7
W	.2	.5	.1									.9	4.6
WNW	.4	.4	.3									1.2	5.2
NW		.5	.1									.6	5.8
NNW	.3	.4	.4	.2								1.4	6.6
VARBL													
CALM												26.3	
	26.3	24.3	12.9	4.8	2.2	.3	.3					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 PACAFETAC
 AF WEATHER SERVICE/MAC

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

SURFACE WINDS

70720 ELMENDORF AFB AK 73-82 JAN NORTH
 STATION STATION NAME YEARS
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.1	3.6	1.8	.4	.0						10.7	7.6
NNE	4.0	6.2	3.2	1.0	.4	.4	.1					16.1	6.1
NE	7.4	6.0	.8	.2	.2	.2	.2					14.8	4.3
ENE	7.9	5.7	.3	.1	.0	.0						14.0	3.4
E	3.2	1.8	.2	.1	.0							5.3	3.4
ESE	.0	.2	.1	.0								.9	4.2
SE	.2	.1	.0	.0								.4	3.6
SSE	.4	.1	.1	.1								.8	5.5
S	.4	.5	.5	.2	.1	.1	.0					1.7	7.9
SSW	.0	.4	.7	.4	.2	.0						2.1	9.3
SW	.1	.3	.2	.1	.0							.7	7.0
WSW	.0	.2	.1	.0	.0							.6	4.8
W	.0	.3	.2	.0	.0		.0					.9	5.7
WNW	.0	.3	.1	.0	.0							.6	4.9
NW	.0	.2	.2	.1	.0							.8	6.2
NNW	.0	.7	.7	.4	.0							2.2	7.3
VARBL													
CALM												77.3	
	23.3	26.3	11.2	4.7	1.4	.6	.2					120.0	3.9

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702720 ELMDORF AFB AX 73-82 FEB
STATION NAME YEARS MONTH
ALL WEATHER CLASS 0000-0200 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.0	5.1	1.7	.1							12.6	7.2
NNE	4.4	5.8	4.0	1.3	.6	.3						16.2	7.1
NE	7.6	4.8	.9	.2	.2	.4	.1					14.3	4.6
ENE	9.7	4.1	.5		.1							14.3	3.3
E	2.6	1.2										3.7	3.0
ESE	.7		.2									.9	4.1
SE	.4											.4	2.3
SSE	.2	.5	.1	.1								.9	5.8
S	.5	.5		.2								1.2	5.2
SSW	.2	.5	.5	.1								2.0	5.1
SW	.4	.4	.2	.2								1.2	6.6
WSW	.1	.4	.1									.6	5.2
W	.1	.2	.4									.7	6.0
WNW	.2	.1	.2									.6	5.2
NW	.2	.4										.6	4.2
NNW	.2	1.1	.9									2.1	6.0
VARBL													
CALM												26.8	
	34.0	23.8	13.1	3.9	1.1	1.2	.1					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 186

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/HAC

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

SURFACE WINDS

7 1720 STATION ELMENDORF AFB AK 73-82 YEARS FEB 8002-0500
STATION NAME CLASS HOURS (LST)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	4.5	2.7	.1	.1						12.8	7.9
NNE	4.7	6.9	3.2	.0	.5	.4						16.5	6.1
NE	5.3	4.5	.9	.2	.1	.5	.1					14.4	4.7
ENE	3.3	4.3	.1	.4								13.0	3.3
E	2.4	1.7	.4									4.4	3.7
ESE	.1	.1										.2	3.0
SE	.1	.1										.4	2.3
SSE	.1											.1	2.0
S	.0	.2	.2	.2								1.3	5.6
SSW	.1	.1	.6	.2								1.1	7.8
SW	.1	.4	.2	.4								1.1	9.0
WSW	.4	.4	.1									.8	3.7
W	.1	.6	.1									.8	4.9
WNW	.4	.1	.1									.6	3.8
NW	.1	.1										.2	3.5
NNW	.5	.7	1.4	.1								2.7	6.5
VARBL													
CALM												29.6	
	27.8	23.8	11.9	5.2	.7	.9	.1					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 272 STATION ELMENDORF AFB AK 73-62 YEARS FEB MONTH 0600-2000 HOURS (L & T)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.5	4.3	2.1	.1							11.1	2.8
NNE	.1	6.1	3.4	.9	.2	.6	.1					16.5	6.4
NE	6.6	5.7	.8	.2	.1	.4						15.2	4.1
ENE	8.3	4.6	.5									13.4	3.3
E	2.4	1.2	.1		.1							4.3	3.5
ESE	.1	.2	.2	.1								.7	6.7
SE		.5			.1							.6	7.0
SSE	.4	.4		.1								.8	5.0
S			.5	.2								.7	10.0
SSW	.2	.6	.4	.2	.4							1.3	9.3
SW		.1	.1	.1								.4	9.3
WSW	.5	.5	.1	.1	.1							1.3	6.2
W	.2	.1	.4	.2								.9	6.3
WNW		.2	.4									.5	6.7
NW	.1	.2										.4	4.3
NNW	.5	1.3	1.1	.1								3.1	5.7
VARBL													
CALM												27.4	
	28.0	25.5	12.2	4.6	1.2	.9	.1					120.0	4.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

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

SURFACE WINDS

780720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

FEB
MONTH

ALL WEATHERED
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.8	5.3	2.4	.4							14.5	7.4
NNE	4.7	7.9	4.4	1.1	.6	.7	.2					19.6	6.8
NE	5.9	5.2	.8	.6		.1						12.0	4.3
ENE	4.5	3.7	.5	.2								8.9	3.8
E	2.2	1.3	.1	.1								3.3	3.4
ESE	.6	.2		.1								.9	4.4
SE	.4											.4	2.0
SSE	.7	.5	.2	.1	.1							1.7	0.4
S	.2	.2	.4	.4								1.8	6.7
SSW	.6	.8	.5	1.2								3.1	0.0
SW	.2		.1									.4	5.0
WSW	.4		.4	.1								.8	6.4
W	.4	.2	.4	.1								1.1	5.7
WNW	.1		.5									.6	6.4
NW		.2	.4									.5	7.0
NNW	.4	.7	.4	.2								1.7	6.1
VARBL													
CALM												27.7	
	24.0	25.4	14.2	6.6	1.1	.9	.2					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

846

U.S. AIR FORCE
CLIMATE BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 71720 ELMENDORF AFB AK STATION NAME ELMENDORF AFB AK YEARS 73-82 FEET 1200-1400
NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.4	6.9	4.8	1.9	.5							18.4	6.6
NNE	1.4	4.8	5.1	.2	.5	.8	.1					2.0	6.4
NE	2.5	3.0	.9	.6	.1	.4	.1	.1				7.7	7.3
ENE	1.0	1.4	.2	.1								3.7	3.9
E	1.9	.9	.6									3.4	3.9
ESE	.6	.5		.5								1.5	6.1
SE	.4	.1	.1									.6	3.8
SSE	.5	.6	.5	.5								2.1	6.6
S	1.2	1.2	.6	.2								3.2	5.1
SSW	1.2	.5	.7	.1								2.9	5.6
SW	.9	.7	.4	.4								2.2	6.1
WSW	.5	.6										1.1	3.8
W	.4	.3	.2									1.4	4.8
WNW		.1	.4									.5	7.0
NW	.5	.1	.2									.8	4.4
NNW	1.1	1.5	.8	.4								3.5	5.6
VARBL													
CALM												25.1	
	23.2	28.7	15.6	4.8	1.1	1.2	.2	.1				100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

77720 ELMENDORF AFB AK 73-82 FEB
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	6.6	5.8	1.6	.1							16.3	6.2
NNE	7.8	7.9	4.1	.4	1.1	.5	.4					22.1	6.3
NE	3.9	2.4	1.5	.2	.5	.5	.2	.1				9.3	7.1
ENE	2.6	2.0	.2									4.9	3.3
E	1.2	.5	.4		.1							2.1	4.4
ESE	.3	.1	.4									.9	5.5
SE	.7		.1									.8	2.6
SSE	.1		.1		.1							.4	9.3
S	.5	.7	.4									1.5	4.5
SSW	1.1	.9	.2	.2								2.5	4.9
SW	.8	1.1	.2	.1								2.2	4.8
WSW	.6	.5	.4	.1								1.5	5.2
W	.9	1.1										1.9	3.6
WNW	.9	.4		.2								1.5	4.2
NW	.4		.2									.0	4.2
NNW	.7	1.1	1.2	.4								3.3	6.3
VARBL													
CALM												26.0	
	25.6	25.2	15.2	3.4	1.9	.9	.6	.1				170.0	4.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

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

SURFACE WINDS

73-720 STATION ELLMENDORF AFB AK 73-82 YEARS FE8
STATION NAME ELLMENDORF AFB AK 73-82 YEARS FE8
CLASS ALL WEATHER 1800-2000
CONDITION NOVEMBER (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.1	5.3	2.1	.1							14.4	7.1
NNE	5.5	4.6	3.4	1.7	.8	.2	.6					17.1	7.3
NE	5.2	2.8	1.4	.6	.5	.4						13.8	5.2
ENE	6.7	3.5	.2			.1						10.3	3.3
E	1.7	.9	.2									2.8	3.5
ESE	.7		.1									.8	3.0
SE	.1	.1	.1	.2								.6	7.4
SSE	.2		.1	.1								.5	6.8
S	.2	.4	.2									.8	5.6
SSW	.6	.5	.1	.2								1.4	5.1
SW	.2	.4	.2									.8	4.9
WSW	.6	.2	.5									1.3	4.7
W	.4	.1	.4									.8	4.7
WNW	.2	.7	.2									1.2	4.7
NW	.4	.2	.2	.2								1.1	6.4
NNW	1.2	.7	1.1	.4								3.5	5.9
VARBL													
CALM												28.3	
	29.9	17.0	13.9	5.6	1.4	.7	.6					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

73-720 ELANDORF AFB AK 73-82 FEB
STATION MONTH
STATION NAME YEARS
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	1.3	3.8	8.0	2.4								16.0	7.8
NNE	4.8	5.4	2.4	2.2	.7	.4						16.0	6.7
NE	7.1	3.7	1.5	.7	.5	.6	.4					14.4	6.0
ENE	7.6	3.4										13.0	2.8
E	3.0	.6	.2									2.8	3.3
ESE	.2	.1										.4	2.7
SE	.1	.1		.2								.5	7.0
SSE	.1	.4										.5	4.5
S		.5	.1									.6	5.6
SSW	.5	.5	.5									1.4	5.3
SW	.1	.5	.1	.1								.8	6.4
WSW	.6	.7	.1	.2								1.7	5.8
W	.2	.4	.2	.1								.9	6.3
WNW	.4	.6										.9	3.4
NW		.6	.1									.7	5.2
NNW	.7	.7	2.0	.1								3.5	6.9
VARBL													
CALM												25.9	
	28.3	21.9	15.4	6.1	1.2	.9	.4					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

701721 STATION LLMENDORF AFB AK 73-82 YEARS FEB NORTH
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	2.5	4.6	5.4	2.1	.2	.0						14.8	7.2
NNE	5.3	6.8	3.8	1.1	.6	.5	.2					18.4	6.6
NE	6.5	4.0	1.1	.4	.3	.4	.1	.0				12.8	5.2
ENE	6.4	7.3	.3	.1	.0	.0						10.1	3.3
E	2.1	1.7	.3	.0	.0							3.4	3.6
ESE	.4	.2	.1	.1								.8	4.8
SE	.7	.1	.0	.1	.0							.5	4.5
SSE	.3	.3	.1	.1	.7							.9	6.2
S	.4	.5	.3	.2								1.4	5.7
SSW	.7	.5	.4	.3	.0							2.0	6.4
SW	.3	.4	.2	.2								1.1	6.2
WSW	.4	.4	.2	.1	.7							1.1	5.2
W	.3	.4	.3	.1								1.1	5.3
WNW	.3	.3	.2	.0								.8	4.9
NW	.2	.2	.1	.0								.6	5.2
NNW	.7	1.0	1.1	.2								3.0	6.1
VARBL													
CA M												27.2	
	27.2	24.2	13.9	5.0	1.2	1.0	.3	.0				100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

SURFACE WINDS

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

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

MAP
BORTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	6.3	6.8	.9								17.1	6.3
NNE	5.1	8.0	5.3	.8								17.1	5.1
NE	7.4	4.2	1.0	.1								12.7	3.4
ENE	7.3	2.9	.1									10.3	2.8
E	.9	.5										1.4	3.0
ESE	.4	.1	.1									.6	3.5
SE		.1										.1	4.0
SSE	.6	.3	.1	.2	.1							1.4	6.4
S	.4	.4	.5	.4	.1							1.9	7.9
SSW	.1	.8	.8	.8	.3	.2						2.9	10.8
SW	.3	1.0	.2	.1								1.6	5.3
WSW	.2	.5	.1									.9	4.3
W	.6	.4	.2	.1								1.5	4.6
WNW	.1	.2										.3	4.3
NW	.3	.1	.1									.5	3.6
NNW	.8	.4	.6	.1								1.9	5.8
VAPBL													
CALM												27.6	
	27.8	26.3	14.0	3.4	.5	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

IC 720 ELMENDORF AFB AK 73-82 MAP MONTH
STATION STATION NAME YEARS
ALL WEATHER CLASS 0300-0500 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.7	6.2	2.6								16.3	7.1
NNE	5.4	7.0	3.7	.2	.1							16.3	4.9
NE	4.1	3.1	.1		.1							11.4	3.0
ENE	5.3	2.5										8.8	3.0
E	2.0	1.1	.1									3.2	3.1
ESE	.7	.5										1.4	3.1
SE	.1											.1	2.0
SSE	.3	.2	.1	.2								.9	5.9
S	.8	.5	1.1	.1								2.5	5.8
SSW	.5	1.4	.8	.8	.4							4.0	6.4
SW	.3	.4										.8	4.1
WSW	.5	.4	.1									1.1	3.7
W	.5	.3	.2									1.1	4.5
WNW	.3	.2										.5	4.0
NW	.5	.1										.6	2.5
NNW	.5	.8	.8									2.0	5.4
VARBL													
CALM												78.9	
	30.1	23.3	13.1	3.9	.6							170.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 767720 ELMENDORF AFB AK 73-82 MAR
STATION NAME YEARS MONTH
CLASS ALL WEATHER 0600-0800
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	5.6	5.4	1.5	.1							15.2	6.6
NNE	5.7	8.5	2.9	.4								18.5	4.6
NE	6.5	4.1	.8									11.3	3.5
ENE	6.2	3.3	.2									9.8	3.0
E	2.7	.7										2.9	2.8
ESE	.5	.3										.9	3.1
SE		.1	.1									.2	7.5
SSE	.1	.1		.3		.1						.6	11.2
S	.6	.1	.9	.5								2.2	8.0
SSW	1.0	1.3	.9	.4	.8							4.3	8.4
SW	.4	.3	.2									1.4	4.5
WSW	.2	.3										.5	3.8
W	.6	.5	.3									1.5	4.3
WNW	.3	.2	.1									.6	4.0
NW	.2		.2									.4	4.8
NNW	.4	.8	.1	.1								1.4	4.8
VARBL													
CALM												28.3	
	29.5	26.9	12.0	3.3	.9	.1						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72720 ELMENDORF AFB AK 73-82 MAR
STATION STATION NAME YEARS
ALL WEATHER CLASS 0900-1100
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	10.1	4.5	1.5								21.1	5.6
NNE	5.1	12.2	4.4	1.1	.1							22.8	5.3
NE	4.1	2.2	.9	.1								7.0	3.8
ENE	1.3	.9	.1									2.7	3.0
E	.9	.3										1.2	2.7
ESE	.4	.2										.6	2.8
SE	.4	.1										.5	2.4
SSE	.2	.2		.1								.5	5.4
S	1.2	.6	.9	.1	.4							3.2	7.1
SSW	.9	1.3	1.9	.8	.2	.1						5.2	8.1
SW	.3	.5	.8	.3	.1	.1						2.2	8.6
WSW	1.0	.4	.1	.1								1.6	4.3
W	.6	.9	.2									1.3	4.1
WNW	.7	.4										.8	3.0
NW	.5	.3	.3									1.2	4.5
NNW	1.3	1.5	.6									3.9	4.6
VARBL													
CALM												24.2	
	24.0	32.0	14.6	4.1	.0	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7 1721 ELMDORF AFB AK 73-82 MAC
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 1200-1400
CONDITION HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.1	9.8	6.0	1.8								22.7	5.9
NNE	4.4	10.5	5.2	.6								20.8	5.5
NE	1.0	1.1	1.0	.9								3.9	6.6
ENE	.5	.3	.3									1.3	4.3
E	.5	.2		.3								1.1	6.5
ESE	.3	.1										.4	2.5
SE		.2										.2	5.5
SSE	.5	.2	.2	.2								1.2	2.5
S	.3	1.1	.6	.8	.1							3.3	7.1
SSW	1.0	1.4	.6	.8	.5	.1						4.4	8.5
SW	.8	.6	.5	.1								2.0	5.2
WSW	1.2	1.1	.3									2.6	4.1
W	2.9	3.5	1.2	.1								7.7	4.4
WNW	1.0	.5	.3									1.8	3.8
NW	1.0	1.1										2.0	3.6
NNW	1.6	3.0	.8									5.4	4.5
VARBL													
CALM												19.1	
	22.6	34.8	17.1	5.6	.6	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ADP WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7220 ELMENDORF AFB AK STATION NAME 73-82 YEARS MAR
CLASS ALL WEATHER MONTH 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	6.2	5.5	1.1	.1							17.8	5.9
NNE	5.2	11.0	3.8	.9	.2							22.0	5.2
NE	1.0	2.0	.6	1.0								4.6	6.3
ENE	.6	.8		.1								1.5	4.3
E	.8	.4	.1									1.3	3.5
ESE	.2	.1	.2									.5	5.4
SE	.3											.3	2.3
SSE	.2	.1										.3	3.7
S	.5	.2	.4	.4	.1							1.7	8.1
SSW	.5	.3	1.3	.6								2.8	8.2
SW	.5	.4	.1	.2								1.3	5.3
WSW	1.9	1.5	.4	.1								4.0	4.1
W	4.0	7.0	1.5									12.5	4.2
WNW	1.9	.9	.3									3.1	3.5
NW	1.1	.4	.3									1.8	3.6
NNW	2.2	2.6	.8	.1								5.6	4.4
VARBL													
CALM												16.7	
	26.3	34.6	15.4	4.5	.4							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7 1720 ELMDORF AFB AK 73-82 MAP NORTH
STATION STATION NAME YEARS
ALL WEATHER CLASS 1977-2000
CONDITION HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	7.2	7.3	.5								18.7	8.2
NNE	6.2	5.9	3.1	1.0	.2	.1						16.6	5.3
NE	3.3	2.7	.5	.6								6.6	4.4
ENE	1.7	1.9	.2									3.9	3.6
E	.9	.1	.2									1.2	3.4
ESE	.1					.1						.2	12.0
SE	.1											.1	1.0
SSE	.1	.2	.1	.1								.5	6.8
S	.3	.6	.3	.3								1.6	6.7
SSW	.6	.8	1.1	.9								3.3	7.9
SW	.3	.4	.1	.1								1.0	5.4
WSW	1.5	.3	.1									1.9	2.9
W	2.7	1.4	.4									4.5	3.5
WNW	1.1	.3	.1									1.5	3.4
NW	.9	.4	.2									1.5	4.0
NNW	.9	1.5	.5	.1								3.0	5.1
VARBL													
CALM												34.6	
	23.7	23.2	14.4	3.7	.2	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW LEATHER SERVICE/MAC

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

SURFACE WINDS

7 0720 ELMDORF AFB AK 73-82 MAP MONTH
STATION STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.2	6.3	1.2	.1	.1						14.8	6.8
NNE	5.6	5.9	4.3	.2		.1						16.1	5.1
NE	6.0	4.2	1.0	.1								12.0	3.6
ENE	5.1	2.5	.1									7.6	3.1
E	.9	.2		.2								1.3	3.9
ESE	.3	.1										.4	2.8
SE	.3			.1								.4	5.0
SSE	.3			.2								.5	6.4
S	.5	1.0	.9	.2								2.5	6.2
SSW	.3	.6	.5	.4	.5							2.5	9.4
SW	.5	.6	.4	.2								1.8	6.2
WSW	.5	.5	.2									1.3	4.3
W	.6	.5	.1	.1								1.4	4.2
WNW	.4	.4										.9	3.3
NW	.2	.5	.1									.9	4.9
NNW	.6	1.2	1.4	.1								3.3	6.2
VARBL													
CALM												32.0	
	25.1	23.5	15.4	3.1	.5	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

7720 STATION ELMENDORF AFB AK 73-82 YEAR MONTH MAP
STATION NAME 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	3.5	7.7	6.0	1.4	.0	.0						17.9	6.3
NNE	5.6	8.6	3.8	.6	.1	.0						18.8	5.1
NE	4.7	2.9	.7	.3	.0							8.7	3.9
ENE	3.7	1.9	.1	.0								5.7	3.1
E	1.1	.5	.1	.1								1.7	3.4
ESE	.4	.2	.0			.0						.6	3.6
SE	.2	.1	.0	.0								.3	3.8
SSE	.3	.2	.1	.2	.0	.0						.8	6.5
S	.5	.6	.7	.4	.1							2.4	7.0
SSW	.6	1.0	1.0	.7	.3	.1						3.7	8.6
SW	.4	.6	.3	.1	.0	.0						1.5	5.8
WSW	.9	.6	.2	.0								1.7	3.9
W	1.6	1.9	.5	.0								4.0	4.2
WNW	.7	.4	.1									1.2	3.6
NW	.6	.4	.2									1.1	3.9
NNW	1.0	1.5	.7	.1								3.3	5.0
VARBL													
CALM												26.7	
	26.0	28.1	14.5	4.0	.6	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7440

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/AFAC

SURFACE WINDS

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

7 1720 STATION ELMENDORF AFB AK 73-82 APR MONTH
STATION NAME YEARS
ALL WEATHER CLASS
HOURS (L.S.T.) 0000-2200
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	6.6	6.9	1.3								16.4	6.6
NNE	4.2	3.9	2.3	.2								10.7	4.7
NE	5.2	2.2	.4									7.9	3.2
ENE	3.3	1.3	.3	.1								5.1	3.3
E	1.2	.2	.2									1.7	3.3
ESE		.1	.1	.1								.3	9.7
SE	.2	.1										.3	2.3
SSE	.3	.1										.4	2.5
S	.7	1.2	.9									2.8	5.1
SSW	1.3	2.2	.8									4.6	4.4
SW	1.2	.6	.4									2.2	4.3
WSW	.4	.4		.2								1.1	4.9
W	.4	1.7	.2									1.7	4.3
WNW	.1	.1	.2									.4	5.6
NW	.6	.3	.4									1.2	5.3
NNW	1.3	1.4	1.4	.2								4.4	5.7
VARBL													
CALM												38.6	
	22.6	21.9	14.8	3.2								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2725 STATION ELMENDORF AFB AK 73-82 YEARS AFB
STATION NAME CLASS ALL WEATHERED HOURS 0300-0500
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	3.4	5.0	7.1	.9	.1							17.4	6.4
NNE	4.4	4.4	2.1	.4		.1						11.6	5.1
NE	7.0	7.0	.6									10.6	3.1
ENE	5.4	1.9										8.3	2.8
E	1.3					.1						1.4	3.8
ESE	.3	.2										.6	3.4
SE	.2											.2	1.0
SSE	.6	.2										.8	2.3
S	.3	1.6	.4									2.3	5.0
SSW	.9	1.7	.8	.1								3.4	5.4
SW	.3	.3										.7	3.7
WSW	.4	.3	.1									.9	3.8
W	1.4	.6	.1									2.1	2.7
WNW	.3	.2	.1									.7	3.8
NW	.6	.4	.4	.1								1.6	5.2
NNW	1.0	1.0	.7	.2								2.9	5.3
VARBL													
CALM												34.6	
	29.1	21.8	12.4	1.8	.1	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 72720 ELMENDORF AFB AK STATION NAME 73-82 YEARS ADD MONTH
CLASS ALL WEATHER 6000-0800
HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	7.6	4.6	1.3								17.6	5.8
NNE	0.0	0.6	2.0	.2								13.8	4.6
NE	4.3	2.0	.4									6.4	3.2
ENE	3.8	1.1	1.0									5.9	3.7
E	1.1	.1										1.2	2.0
ESE	.0	.1										.7	2.3
SE	.1	.1	.1									.3	5.0
SSE	.2	.1	.1									.6	4.0
S	.6	1.2	.4	.3								2.6	5.9
SSW	1.0	1.7	.8	.4								3.9	5.5
SW	.9	.7	.1									1.7	3.7
WSW	.4	.7	.2									1.3	4.1
W	.6	1.7										1.6	4.3
WNW	.6	.4	.1									1.1	3.5
NW	.3	.4	.3									1.1	4.5
NNW	1.2	1.9	1.4									4.6	5.2
VARBL													
CAL/A												35.8	
	24.6	25.7	11.6	2.4								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 0720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	11.7	4.8	.2								21.4	5.1
NNE	4.1	6.7	4.9	1.2								16.9	5.9
NE	1.3	1.0	.3	.3								3.0	4.9
ENE	.8	.4	.2	.2								1.7	5.2
E	.4	.3	.2									1.0	4.4
ESE	.3											.3	1.7
SE	.6	.1			.1							.8	5.1
SSE	.5	.3	.1									1.0	3.6
S	1.2	.2	.1	.2								1.8	3.9
SSW	.9	1.2	.6	.9	.1							3.6	7.4
SW	1.3	.4	.4	.1								2.3	4.3
WSW	1.2	1.9	.3	.2	.1							3.8	5.0
W	2.8	6.0	2.1	.6								11.4	5.1
WNW	1.0	1.6	.6									3.1	4.4
NW	1.3	1.3	.7									3.3	4.4
NNW	2.4	3.9	1.1									7.4	4.6
VARBL													
CALM												17.1	
	25.7	37.1	16.4	4.0	.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

900

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7 7720 ELMENDORF AFB AK STATION NAME 73-82 YEARS APP
MONTH 1200-1400
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	11.2	6.0	1.3	.1							22.9	5.9
NNE	7.4	4.4	2.0	.8								10.7	5.3
NE	.6	1.2	.1		.1							2.0	5.1
ENE	.3	.2	.1									.7	4.3
E	.1	.3	.4	.1								1.0	5.9
ESE	.2	.2	.1	.1								.7	6.0
SE		.1	.2	.1								.4	9.0
SSE		.2	.2	.2								.7	8.2
S	.4	.4	.9	.7								2.4	8.2
SSW	.3	.6	1.0	.1	.1							2.1	6.9
SW	.3	1.0	.2	.1								1.7	5.0
WSW	.8	3.6	1.9	.4								6.7	6.1
W	3.9	11.4	8.7	.3								24.3	5.9
WNW	1.2	3.9	1.6									6.7	5.4
NW	1.1	1.3	.9	.1								3.4	4.6
NNW	2.8	4.2	1.8	.1	.1							9.0	5.1
VARBL													
CALM												4.7	
	19.8	44.4	26.1	4.6	.4							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

APR
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	2.4	5.0	4.6	1.1								13.9	6.4
NNE	1.4	3.3	2.6	.9								8.2	6.2
NE	.8	.4	1.1	.4	.1							2.6	7.7
ENE	.2	.1	.3									.7	6.3
E	.7	.1	.9	.1								1.8	5.8
ESE	.2	.2	.1	.2								.8	7.1
SE	.1	.1	.2	.1								.6	6.6
SSE	.4	.7	.4	.6								2.1	7.4
S	.3	.8	1.2	1.0								3.3	8.3
SSW	.4	.4	.9	.4								2.2	8.0
SW	.9	.6	.2	.2								1.9	4.9
WSW	1.4	3.3	2.1	.1								7.0	5.5
W	6.4	13.7	13.0	1.2								34.3	5.9
WNW	1.6	3.1	1.1									5.8	4.8
NW	1.1	1.2	.9		.2							3.4	5.7
NNW	1.9	3.1	.9	.2	.1							6.2	5.3
VARBL													
CALM												5.2	
	27.1	37.0	30.6	6.7	.4							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 STATION EL MENDORF AFB AK 73-82 YEARS APR MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	4.9	3.3	2.1								13.8	6.4
NNE	2.6	1.8	2.4	1.0								7.8	6.1
NE	1.4	.7	.7	.8								3.6	6.3
ENE	.8	.7	.1									1.6	3.5
E	.8	.4	.1	.3								1.7	5.4
ESE	.4	.1		.1								.7	4.0
SE	.6		.2									.8	3.9
SSE	.8	.6	.7									2.0	5.1
S	1.4	.7	1.0									3.1	4.8
SSW	.9	1.7	.9	.2								3.7	5.5
SW	1.2	.9	.7	.1								2.9	5.3
WSW	2.2	2.0	.6		.1							4.9	4.3
W	6.6	8.6	3.1									18.2	4.4
WNW	2.6	2.2	.3									5.1	3.5
NW	1.3	.6	.4									2.3	3.7
NNW	2.3	1.2	.9	.4								4.9	4.9
VARBL													
CALM												23.1	
	29.3	26.9	15.4	5.1	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 1720 ELMENDORF AFB AK 73-82 APS
STATION STATION NAME YEARS SOUTH
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	2.6	5.6	4.7	1.4								14.4	6.3
NNE	4.2	2.6	1.6	.3								8.7	4.5
NE	4.9	2.0	.4	.2								7.6	3.3
ENE	3.1	1.0	.4									4.6	3.4
E	.8	.2	.2	.1								1.3	4.2
ESE	.3	.1										.4	3.3
SE	.2		.2									.4	5.5
SSE	1.0		.1									1.1	2.8
S	1.0	1.3	.9	.1								3.3	5.3
SSW	1.2	1.1	.9	.3								3.6	5.3
SW	1.2	.4	.8	.1								2.6	5.1
WSW	.7	.7	.2	.1								1.7	4.7
W	1.6	1.1	.3	.1								3.1	4.2
WNW	1.1	.7										1.8	3.3
NW	1.2	.8	.1									2.1	3.1
NNW	1.8	1.8	1.1	.2								4.9	5.2
VARBL													
CALM												38.4	
	27.1	19.3	12.0	3.1								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7 2720 STATION NAME ELMENDORF AFB AK YEARS 73-82 MONTH APR
CLASS ALL WEATHER 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	3.4	7.4	5.2	1.2	.0							17.2	6.1
NNE	3.7	4.2	2.5	.6		.0						11.0	5.3
NE	3.1	1.6	.5	.2	.0							5.4	3.9
ENE	2.3	.8	.3	.0								3.6	3.5
E	.8	.2	.3	.1		.0						1.4	4.5
ESE	.3	.1	.0	.1								.6	4.7
SE	.2	.1	.1	.0	.0							.5	5.1
SSE	.5	.3	.2	.1								1.1	5.0
S	.7	.9	.7	.3								2.7	5.9
SSW	.9	1.3	.8	.3	.0							3.4	5.8
SW	.9	.6	.3	.1								2.0	4.7
WSW	1.0	1.6	.7	.1	.0							3.4	5.2
W	3.0	5.4	3.4	.3								12.1	5.4
WNW	1.1	1.5	.5									3.1	4.5
NW	.9	.8	.5	.0	.0							2.3	4.6
NNW	1.8	2.3	1.2	.2	.0							5.5	5.1
VARBL													
CALM												24.7	
	24.7	29.3	17.4	1.7	.2	.0						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

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

7 2720 ELMDENDORF AFB AK 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-0200
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	3.5	3.8	1.4	.2								6.9	4.5
NNE	4.0	2.6	.2									6.8	3.3
NE	5.3	1.8	.5									7.6	3.0
ENE	4.3	3.7										8.0	3.2
E	1.1	.9										1.9	3.2
ESE	.1		.1	.1								.3	8.3
SE	.3	.1										.4	2.8
SSE	1.1	.3	.1		.1							1.6	3.9
S	1.6	3.5	2.5	.2								7.8	5.5
SSW	1.8	2.8	3.7	.2								8.5	5.9
SW	1.7	1.2	1.0		.1							4.0	4.8
WSW	.9	1.4	.2	.1								2.6	4.4
W	2.5	1.5	.6									4.6	3.8
WNW	.8	1.1	.1									1.9	3.6
NW	.3	.2										.5	3.6
NNW	1.1	1.5	.4									3.0	4.3
VARBL													
CALM												11.4	
	30.3	46.3	10.9	.9	.2							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 72720 ELMENDORF AFB AK STATION NAME 73-82 YEARS MAY
CLASS ALL WEATHER MONTH 0300-0500
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.7	1.7									6.9	4.6
NNE	3.3	2.0	.3									5.7	3.2
NE	5.6	2.7	.2	.2								8.7	3.3
ENE	6.0	2.0										8.1	2.6
E	2.5	.4										2.9	2.6
ESE	.9		.1									1.0	2.7
SE	.4	.1	.1									.6	3.2
SSE	.8	.3	.1									1.2	3.5
S	2.5	2.2	.3	.1								5.1	4.0
SSW	1.7	3.9	2.3	.4								8.3	5.7
SW	1.0	1.4	.2	.1								2.7	4.6
WSW	.3	.5		.2								1.5	4.3
W	1.6	1.4	.2									3.2	3.5
WNW	.6	.4	.1									1.2	3.8
NW	.2	.6										.9	3.9
NNW	1.3	1.3	.1									2.7	3.6
VARBL													
CALM												39.5	
	31.6	22.0	5.8	1.1								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0600
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	6.0	5.8	2.3									14.1	4.1
NNE	3.8	5.9	.9	.3								10.9	4.4
NE	1.7	1.2	.5	.2								3.7	4.3
ENE	1.5	1.1	.1									2.7	3.5
E	.8	.1										.9	2.5
ESE	.4	.1										.5	2.0
SE	.2	.2										.4	4.0
SSE	.5		.1									.6	3.5
S	.6	1.0		.1								1.8	4.4
SSW	1.3	2.6	1.7	.3								5.9	5.9
SW	1.3	1.7	1.2	.2								4.4	5.6
WSW	3.0	1.7	.1									4.8	3.1
W	4.4	3.9	.4									8.7	3.7
WNW	1.7	1.4	.2									3.3	3.8
NW	1.8	1.2	.1									3.1	3.1
NNW	3.2	3.0	.5									6.8	3.8
VARBL													
CALM												27.2	
	32.5	30.9	8.2	1.2								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 929

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 73720 STATION NAME ELMENDORF AFB AK YEARS 73-82 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
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	9.5	2.6	.2								15.5	5.0
NNE	1.9	3.2	1.4									6.6	4.9
NE	.5	.2	.8									1.5	5.6
ENE	.3	.3	.4									1.1	5.5
E	.2	.4	.3									1.0	5.4
ESE	.2											.2	2.6
SE	.3											.3	1.7
SSE	.7	.1	.1	.2								.8	6.9
S	.3	.3	.5	.4		.1						1.7	8.3
SSW	.8	.9	1.4	.2								3.2	6.4
SW	1.3	1.1	.1	.5								3.0	5.6
WSW	2.7	6.0	1.5	.1								10.3	4.8
W	4.5	15.1	8.0	.5								28.4	5.7
WNW	1.7	2.8	1.2									5.7	4.8
NW	2.0	2.4	.1									4.5	3.8
NNW	3.5	5.3	1.1									9.9	4.3
VARBL													
CALM												6.3	
	24.0	47.5	19.5	2.6		.1						170.3	4.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

SURFACE WINDS

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

7 0720 ELMENDORF AFB AK 73-E2 MAY
STATION STATION NAME YEARS MONTHS
ALL WEATHER CLASS 1200-1400
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.0	1.7	.3								7.1	5.5
NNE	.6	1.9	1.0									3.5	5.3
NE	.1	.3	.4	.2								1.1	7.4
ENE	.5	.4	.4	.2								1.6	5.8
E	.4	.5	.6	.2								1.8	6.1
ESE		.1	.2									.3	6.0
SE		.2	.2	.1								.5	5.4
SSE	.2	.3	1.0	1.2								2.7	9.7
S	.3	1.3	.8	.9	.2							3.4	8.4
SSW	.5	.6	.8	.6								2.6	7.5
SW	.5	.8	.5	.6	.1							2.6	7.4
WSW	1.8	5.7	3.9	.2								11.6	5.6
W	2.2	17.6	20.0	2.2								41.9	6.9
WNW	.9	3.8	3.4									8.1	5.6
NW	1.2	.9	.8									2.8	4.6
NNW	1.2	3.3	1.5	.1								6.1	5.2
VARBL													
CALM												2.2	
	11.6	41.8	37.2	.9	.3							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7 1725 ELMENDORF AFB AK 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 1500-1700
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.4	1.4	.1								4.4	5.7
NNE	.6	1.5	.9									3.1	5.8
NE	.4	.4	.9	.2								1.9	7.1
ENE	.5	.4	.1	.2								1.1	6.3
E	.2	.3	1.3	.1								2.4	6.7
ESE	.1	.4	.6	.1								1.4	7.7
SE	.2	.3	.9	.1								1.4	7.6
SSE	.2	.2	1.3	1.7	.2							3.7	10.3
S	.1	.5	2.5	2.8	.1							6.0	10.4
SSW	.7	1.6	1.9	2.4								6.1	9.4
SW	.6	1.6	1.8	1.2	.1							5.4	7.9
WSW	1.1	3.5	2.8	.2	.2							7.8	6.5
W	2.3	15.1	21.9	4.7								44.0	7.4
WNW	.8	2.6	1.5	.1								4.9	5.8
NW	1.2	1.1	.2									2.5	3.9
NNW	.6	1.5	.4	.1								2.7	4.7
VARBL													
CALM												1.3	
	9.6	34.7	40.4	14.1	.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 720 ELMENDORF AFB AK 73-82 MAY
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1600-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.8	.8									5.6	4.2
NNE	1.2	1.2	.8	.1								4.0	4.6
NE	.5	1.4	.3									2.4	4.8
ENE	.8	.9	.9									2.5	5.4
E	.5	1.5	.5	.1	.1							2.8	6.0
ESE	.4	.8	.6									1.8	5.8
SE	.3	1.0	.3									1.6	4.5
SSE	.8	.9	.6	.1								2.4	5.3
S	.2	2.6	4.5	.6								9.0	7.6
SSW	.4	2.7	3.5	1.1	.1							7.2	7.9
SW	1.4	2.3	1.6	.9								5.9	6.2
WSW	1.5	4.1	1.9	.5								8.1	5.7
W	5.1	12.2	8.8	.8								27.8	5.6
WNW	1.8	3.3	1.4									6.6	4.6
NW	1.1	1.6	.1									2.8	3.8
NNW	1.2	1.9	.3									3.4	4.0
VARBL													
CALM												7.2	
	21.2	40.1	27.1	4.2	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLGY BRANCH
SAFETAC
AFS WEATHER SERVICE/MAC

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

SURFACE WINDS

7 720 STATION 73-82 MAY
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.1	.9									7.2	4.3
NNE	3.8	2.8	.6									7.2	3.5
NE	2.4	.8	.1									4.3	2.7
ENE	1.7	.9	.4									3.0	3.6
E	1.2	1.1	.2									2.5	3.8
ESE	1.1	.9	.3									2.3	4.0
SE	1.1	.2	.1									1.4	3.2
SSE	.9	.8										1.6	3.6
S	3.1	3.0	1.1	.4								7.6	4.7
SSW	1.5	3.1	3.3	.2								6.2	6.1
SW	1.4	1.1	1.6			.1						4.2	5.7
WSW	1.0	1.6	.3									3.9	3.7
W	3.2	2.6	1.0	.3								7.1	4.3
WNW	1.7	1.0	.5									3.2	3.8
NW	1.7	1.3										3.0	3.4
NNW	2.6	2.2	.6									5.4	3.9
VARBL													
CALM												78.0	
	32.6	27.2	11.2	1.0		.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 STATION ELMENDORF AFB AK 73-82 YEARS MAY NORTH
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	2.6	4.4	1.6	.1								8.7	4.7
NNE	2.5	2.6	.8	.1								6.0	4.2
NE	2.2	1.1	.5	.1								3.9	3.8
ENE	1.0	1.2	.3	.1								3.5	3.7
E	.9	.7	.4	.1	.0							2.0	4.6
ESE	.4	.3	.3	.0								1.0	5.0
SE	.4	.3	.2	.0								.8	4.8
SSE	.6	.4	.4	.4	.0							1.8	6.9
S	1.1	1.8	1.5	.7	.0	.0						5.2	6.6
SSW	1.0	2.2	2.3	.7	.0							6.3	6.7
SW	1.2	1.4	1.0	.4	.0	.0						4.0	6.1
WSW	1.7	3.1	1.3	.2	.0							6.3	5.1
W	3.3	9.7	7.6	1.1								20.7	6.2
WNW	1.3	2.0	1.1	.0								4.4	4.9
NW	1.2	1.2	.2									2.5	3.7
NNW	1.8	2.5	.6	.0								5.0	4.2
VARBL													
CALM												17.9	
	24.2	33.7	20.0	4.0	.2	.0						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

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

SURFACE WINDS

7-1720 STATION ELMENDORF AFB AK 73-82 YEARS 1114 MONTHS
ALL WEATHER CLASS 8000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.4	.9	.1								6.2	4.8
NNE	3.3	1.6	.2									5.1	3.0
NE	4.3	2.8	.3									7.4	3.1
ENE	3.8	1.3	.1									5.2	2.8
E	1.7	.8	.2	.1								2.8	3.7
ESE	.7	.4	.1									1.2	3.5
SE	.8	.3		.1								1.2	3.9
SSE	1.6	.4	.1	.1								2.2	3.7
S	2.2	5.1	1.1	.8								9.2	5.3
SSW	3.0	6.2	4.1	1.1								14.4	5.9
SW	.8	2.1	2.0	.7								5.6	6.7
WSW	1.9	1.7	.8									4.3	4.4
W	2.0	1.2	1.0									4.2	4.4
WNW	.9	.4	.1									1.4	3.3
NW	.6	.2	.1									.9	3.5
NNW	1.1	1.3	.2									2.7	3.8
VARBL													
CALM												25.8	
	31.3	28.4	11.4	3.0								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 900

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

7-720 ELMDORF AFB AK 73-62
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUN
NORTH
0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.2	1.0									4.9	4.6
NNE	3.8	2.6	.4									6.8	3.5
NE	5.4	1.9	.4									7.8	3.1
ENE	5.2	2.3	.2									7.8	3.1
E	1.4	.7										2.1	2.8
ESE	.8	.1										.9	2.1
SE	1.0	.3										1.3	2.3
SSE	.4	.2										.7	3.2
S	1.7	2.9	.7	.1								5.3	4.5
SSW	2.4	4.7	3.3	1.1								11.6	6.3
SW	1.6	4.0	1.6	.4								7.6	5.5
WSW	1.4	1.4	.6	.1								3.6	4.4
W	.9	1.3	.2									2.4	3.9
WNW	.9	.1										1.0	2.3
NW	.7	.3										1.0	2.9
NNW	1.3	.6	.4									2.3	3.6
VARBL													
CALM												33.0	
	33.7	25.7	8.9	1.8								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFM WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1 2720 STATION NAME ELMENDORF AFB AK YEARS 73-82 MONTH JUN
CLASS ALL WEATHER MONTHS 0600-0800
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	6.8	2.3									12.4	4.6
NNE	1.8	2.7	.3	.1								5.1	4.3
NE	1.3	1.6	.2									3.6	3.6
ENE	.9	.7										1.6	3.2
E	1.0	.3										1.3	2.8
ESE	.4											.4	1.5
SE	.1	.1	.1									.3	5.3
SSE	.9	.1		.3								1.3	5.2
S	.2	1.3	.9	.2								3.3	5.5
SSW	1.4	6.2	1.8	.8	.1							10.3	6.1
SW	2.0	4.0	1.8	.3								6.1	5.3
WSW	2.7	2.9	1.0									6.6	4.4
W	3.2	8.1	1.3	.3								13.0	4.6
WNW	3.1	3.2	.6									6.9	3.6
NW	1.3	.6										1.9	3.0
NNW	2.1	3.0	.9									6.8	4.4
VARBL													
CALM												17.0	
	27.0	42.6	11.2	2.1	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

7 2720 ELMENTORF AFB AK 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 6900-1100
CONDITION HOURS (L S T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	7.4	2.1									13.1	4.7
NNE	1.6	1.4	1.2									4.2	4.5
NE	.7	.6	.1									1.3	3.7
ENE	.4	.9	.1									1.4	3.8
E	.2	.2										.4	4.0
ESE	.2											.2	2.5
SE	.1	.1										.2	3.5
SSE	.7	.3	.3	.1								1.1	5.6
S	.1	1.7	.6	.3								2.0	7.1
SSW	1.1	1.6	1.1	1.3	.1							5.2	7.5
SW	.9	1.4	1.2	.3								3.9	6.1
WSW	2.6	5.2	2.0	.6								10.3	5.3
W	5.0	15.6	11.1	.8								32.4	5.7
WNW	1.8	4.8	1.7	.4								8.7	5.4
NW	1.1	1.2	.4									2.8	4.2
NNW	2.7	3.4	1.2									7.3	4.4
VARBL													
CALM												5.2	
	22.3	45.2	23.2	3.9	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 ELMENDORF AFB AK 77-82 JULY
STATION STATION NAME YEARS MONTH
ALL WEATHERED 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	1.3	3.4	1.8									0.6	5.4
NNE	.6	1.7	.3									2.6	4.7
NE	.4	.8										1.2	3.8
ENE	.6	.3										.9	3.1
E	.4	.2										.7	2.7
ESE		.4		.1								.5	5.8
SE	.1		.2									.3	5.7
SSE		.2	.3	.2								.8	8.6
S	.6	.3	1.0	.7								2.6	8.0
SSW	.1	.7	1.0	.8	.3							2.9	10.2
SW	.4	1.1	.9	.6								3.0	7.0
WSW	1.3	5.2	3.9	.4	.1							11.0	6.9
W	1.9	14.1	26.1	3.2	.1							45.4	7.9
WNW	1.5	4.2	3.3	.3								9.4	6.0
NW	1.3	1.9	.2									3.4	4.1
NNW	1.1	3.9	.6									5.4	4.7
VARBL													
CALM												3.2	
	11.8	38.4	39.7	6.3	.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 0720 ELMENDORF AFB AK 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.6	1.2		.1							7.6	5.0
NNE	1.3	1.8	.3									3.4	4.2
NE	.2	.7										.9	4.1
ENE	.1	.2										.3	4.3
E		.3	.2	.1								.7	7.2
ESE	.2	.6	.2	.1								1.1	6.2
SE		.1	.1									.2	7.0
SSE	.3	.1	.6									1.0	6.3
S	.4	.6	1.3	1.0	.2							3.6	9.4
SSW	.4	.7	1.8	1.7								4.6	8.8
SW	.2	.4	1.3	1.8	.2							4.0	10.6
WSW	1.0	1.9	2.3	.4								5.7	6.8
W	2.2	12.4	29.7	6.0								50.3	7.8
WNW	.8	3.4	4.7	.3								9.2	6.5
NW	.4	.9	.3									1.7	4.5
NNW	.6	2.1	.3	.1								3.1	4.6
VARBL													
CALM												2.7	
	10.0	30.8	44.4	11.6	.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

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

SURFACE WINDS

7-2720 STATION ELMDORF AFB AK 73-82 YEARS JUL MONTH
1900-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.0	.4									5.4	4.0
NNE	1.4	.0										2.3	3.0
NE	.2	.3	.2									.8	4.7
ENE	.6	.3	.2									1.1	4.7
E	.4	.7	.3									1.4	4.6
ESE	.0	.7	.3	.2								2.0	5.1
SE	.1	.1	.1									.3	5.0
SSE	.7	.3	.3									1.0	5.0
S	.7	.8	1.8	1.3	.1							4.7	8.7
SSW	.3	1.6	3.9	2.2	.2							8.2	9.1
SW	.4	1.7	2.2	1.3	.1							5.8	6.5
WSW	1.1	1.7	2.4	.4	.1							5.8	7.0
W	5.3	15.3	19.8	2.8								43.2	6.7
WNW	1.1	3.4	2.3	.2								7.1	5.7
NW	1.0	1.1	.1									2.2	3.8
NNW	1.3	1.3	.4									3.0	4.3
VARBL													
CALM												5.0	
	17.3	33.6	35.0	8.6	.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7/720 STATION LLMENDORF AFB AK 73-82 YEARS JULY
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.7	.4									4.8	3.5
NNE	1.4	1.0	.2									2.7	3.6
NE	2.4	1.9	.1									4.4	3.2
ENE	1.3	1.2	.2									2.8	3.7
E	1.6	1.0	.2									2.8	3.8
ESE	.9	.9	.1									1.9	3.5
SE	1.0	.6										1.6	2.9
SSE	1.6	.3	.2	.1								2.2	3.8
S	2.0	2.2	1.6	.4								6.2	5.5
SSW	1.8	3.9	3.0	.8	.1							9.6	6.3
SW	1.0	2.8	2.1	.8								6.7	6.4
WSW	1.6	2.9	1.1	.6								6.1	5.6
W	5.6	7.9	3.1	.8								17.3	4.8
WNW	1.3	1.7	.8									3.8	4.6
NW	1.0	.7	.1									1.8	3.3
NNW	1.8	2.0	.3									4.1	4.1
VARBL													
CALM												21.3	
	26.9	32.6	13.7	3.4	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 900

OFFICE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7-2720 ELMENDORF AFB AK STATION NAME 7-82 YEARS JUN MONTH
CLASS ALL WEATHER ALL
CONDITION MOSES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.0	1.3	.0	.0							7.6	4.6
NNE	1.9	1.7	.4	.0								4.0	3.9
NE	1.0	1.3	.2									3.4	3.3
ENE	1.6	.9	.1									2.6	3.3
E	.8	.5	.1	.0								1.5	3.7
ESE	.5	.4	.1	.1								1.0	4.1
SE	.4	.2	.1	.0								.7	3.6
SSE	.7	.3	.2	.1								1.3	4.8
S	1.1	1.8	1.1	.6	.0							4.6	6.4
SSW	1.3	3.2	2.5	1.2	.1							6.3	7.0
SW	.0	2.2	1.6	.8	.0							5.6	6.6
WSW	1.7	2.9	1.8	.3	.0							6.7	5.7
W	3.3	9.5	11.5	1.7	.0							26.1	6.6
WNW	1.4	2.7	1.7	.2								5.9	5.3
NW	.9	.9	.2									2.0	3.8
NNW	1.5	2.3	.6	.0								4.4	4.2
VARBL													
CALM												14.2	
	22.4	34.7	23.4	5.1	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 7200

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-0720 STATION ELMDORF AFB AK 73-82 YEARS JUL
STATION STATION NAME CLASS 0000-0200
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.8	2.0	.1								5.9	3.2
NNE	3.9	1.5	.6									6.0	3.3
NE	6.1	2.7										5.2	2.7
ENE	2.9	1.3	.1									4.2	3.1
E	1.3	.6										2.5	2.7
ESE	1.0											1.0	2.0
SE	.3	.3										.6	3.5
SSE	1.2	.3	.4									1.9	3.6
S	1.5	2.5	1.2	.3								5.6	5.2
SSW	1.9	4.4	2.9	.8								10.0	5.9
SW	.4	2.4	2.2	.3								5.3	6.4
WSW	1.1	1.6	.9									3.5	4.7
W	1.1	2.5	.8									4.3	4.7
WNW	.2	1.1										1.3	4.3
NW	1.3	.5										1.8	2.7
NNW	.9	1.1	.8									2.7	4.8
VARBL													
CALM												35.2	
	27.5	24.0	11.8	1.5								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

AD-A134 206 ELMENDORF AFB ALASKA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATI... (U) AIR FORCE ENVIRONMENTAL

25

WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL

TECHNICAL APPLICATIONS CENTER SCOTT A. 09 SEP 83

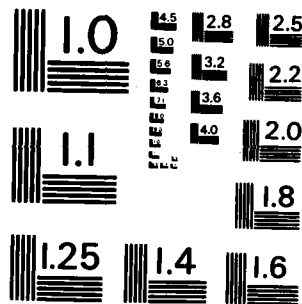
UNCLASSIFIED USAFETAC/DS-83/041 SBI-AD-E850 424

TECHNICAL APPLICATIONS CENTER SCOT
USAFETAC/DS-83/041 SBI-AD-E850 424

SEP 83
F/G 4/2

NL

A full-page view of a blank sheet of white graph paper. The grid consists of thin, light gray horizontal and vertical lines forming small squares across the entire page. There are no margins, text, or other markings on the paper.



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

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 ELMHENDORF AFB AK 73-82 JUL
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	1.9	3.3	1.7									7.2	5.0
NNE	3.8	2.0										5.8	3.1
NE	6.6	2.0	.4									9.0	3.1
ENE	5.8	2.5	.2									8.5	3.1
E	.3	1.1										1.8	3.5
ESE	.6	.1										.8	2.9
SE	.5	.1										.6	2.7
SSE	1.4	.3		.2								1.9	3.5
S	2.0	2.2	.8	.1								5.1	4.2
SSW	1.3	4.3	1.5	.4								7.5	5.7
SW	1.5	3.0	1.3	.2								6.0	5.2
WSW	1.3	1.1	.4									2.8	4.1
W	1.4	2.2	.3									3.9	4.1
WNW	.3	.5	.2									1.1	4.3
NW	1.0	.1										1.1	2.0
NNW	.9	.4	.8									2.0	4.5
VARBL													
CALM												35.1	
	31.1	25.3	7.6	1.0								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 STATION ELMENDORF AFB AK 73-82 YEARS JUL MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	4.5	2.3									10.9	4.4
NNE	4.1	2.8	.5									7.4	3.4
NE	2.5	1.7	.1									4.3	3.3
ENE	1.6	1.6										3.2	3.4
E	.9	.4										1.3	2.9
ESE	.3	.3										.6	3.2
SE	.6	.1										.8	2.4
SSE	.4	.3	.1									.9	3.3
S	1.1	1.8	.6									3.5	4.5
SSW	1.6	4.2	1.8	.4								8.1	5.6
SW	1.7	2.8	1.6	.4								6.6	5.5
WSW	2.4	2.4	1.1	.1								5.9	4.5
W	3.2	4.7	2.0	.2								10.2	4.9
WNW	1.8	2.2	.5									4.5	4.2
NW	1.2	1.2	.2									2.6	3.8
NNW	3.4	2.7	.6									6.1	3.7
VARBL													
CALM												23.1	
	31.0	33.1	11.6	1.2								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1 2720 STATION NAME ELMENDORF AFB AK YEARS 73-82 MONTH JUL
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	3.8	8.8	2.3									14.8	4.7
NNE	1.4	3.3	.8									5.5	4.6
NE	.8	.8	.3									1.8	4.2
ENE	.9	.6										1.5	3.4
E													
ESE		.1										.1	5.0
SE	.3											.3	1.7
SSE	.3											.3	1.7
S	.6	.5	.2									1.4	4.1
SSW	1.2	1.7	1.4	.6								4.9	6.2
SW	1.1	2.5	.4	1.2								5.2	6.3
WSW	2.3	4.6	2.0	.2								9.1	5.0
W	4.5	12.8	6.0	.2								23.5	5.4
WNW	3.3	4.5	.9	.1								8.8	4.5
NW	1.2	2.0	.4	.1								3.8	4.5
NNW	3.8	3.3	1.8									8.9	4.4
VARBL													
CALM												9.9	
	25.4	45.7	16.6	2.5								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 ELMENDORF AFB AK 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.6	2.9	.4								10.2	5.5
NNE	1.6	3.1	.6									5.4	4.5
NE	.8	1.3										2.0	3.9
ENE	.4	.6										1.1	4.3
E	.2	.3	.3	.1								1.0	6.1
ESE	.2	.1										.3	2.7
SE	.4	.3										.8	3.0
SSE	.4	.1	.2	.1								.9	5.4
S	.3	.2	.9	.3								1.7	7.9
SSW	.1	.5	.4	1.0	.3							2.4	10.7
SW	.3	1.0	1.2	.8								3.2	7.8
WSW	1.5	4.7	2.6	.5								9.4	5.8
W	2.9	15.5	18.1	2.0								38.5	6.8
WNW	2.5	3.8	1.7	.2								8.2	5.0
NW	1.4	1.2	.5									3.1	4.3
NNW	1.9	4.0	.8									6.7	4.5
VARBL													
CALM												5.3	
	17.3	41.4	30.2	5.5	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 ELMENDORF AFB AK 73-82 JUL
STATION MONTH
ALL WEATHER CLASS 1500-1700
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.9	1.3	.1								8.9	4.6
NNE	1.0	2.0	.6									3.7	4.6
NE	.8	1.3	.3									2.4	4.3
ENE	.4	.4										.9	3.0
E	.8	.3	.4									1.5	4.5
ESE	.1	.2	.2									.5	5.8
SE	.2	.1		.1								.4	5.3
SSE	.3	.1	.2	.1								.8	6.3
S	.2	.5	1.1	.5								2.4	7.7
SSW	.1	1.1	1.6	.8	.4							4.0	9.1
SW	.2	.6	1.2	1.2	.1	.1						3.4	9.7
WSW	1.0	2.8	2.6	.3								6.7	6.4
W	3.5	15.4	22.7	3.5	.2							45.4	7.3
WNW	2.0	3.1	2.2	.2								7.5	5.3
NW	1.0	1.3	.5		.1							2.9	5.1
NNW	1.6	2.6	.5									4.7	4.3
VARBL													
CALM												4.0	
	15.8	36.9	35.5	6.9	.9	.1						170.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

72720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.7	1.5									7.4	4.3
NNE	1.6	2.2	1.1									4.8	4.8
NE	1.0	1.5		.1								2.6	4.2
ENE	.5	.4		.1								1.1	4.3
E	.4	.1	.2									.8	4.4
ESE	.3	.2	.4									1.0	5.2
SE	.2	.5										.8	4.0
SSE	.3	.5	.2	.2								1.3	6.3
S	.9	1.7	2.0	.6								4.5	7.1
SSW	.9	1.5	2.4	1.7								6.5	8.1
SW	.4	1.6	2.0	.8								4.8	7.4
WSW	1.7	2.5	1.9	.6								6.8	6.0
W	5.1	18.0	11.2	.9	.1							35.2	5.7
WNW	2.3	2.9	1.4	.3								6.9	5.0
NW	1.6	1.1	.1									2.8	3.4
NNW	2.0	1.9	.2									4.2	3.4
VARBL													
CALM												8.7	
	22.5	38.6	24.7	5.4	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 ELMENDORF AFB AK 73-82 JUL
STATION STATION NAME YEAR 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	1.8	2.7	.9	.1								5.5	4.5
NNE	2.7	1.2	.2									4.1	2.9
NE	1.9	1.3	.1									3.3	3.0
ENE	1.0	.6	.1									1.7	3.9
E	1.3	.6	.2									2.2	3.2
ESE	.4	.5										1.0	3.7
SE	1.0	.3										1.3	2.5
SSE	.9	1.4										2.3	3.9
S	1.6	1.9	2.2	.1								6.0	5.4
SSW	1.4	3.5	3.5	.8								9.2	6.4
SW	.5	3.0	1.6	.3								5.5	5.9
WSW	1.3	1.8	1.6	.2								4.9	5.7
W	5.4	5.2	1.7									12.3	4.0
WNW	1.2	2.0	.3	.1								3.7	4.1
NW	1.1	.5	.3									1.9	3.6
NNW	1.3	1.4	1.0									3.7	4.6
VARBL													
CALM												31.5	
	24.9	28.2	13.8	1.6								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 72C ELMENDORF AFB AK 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUL
MONTH
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	2.7	4.2	1.9	.1								8.8	4.8
NNE	2.5	2.3	.6									5.3	3.9
NE	2.5	1.5	.2	.0								4.2	3.3
ENE	1.7	1.0	.1	.0								2.8	3.3
E	.8	.4	.1	.0								1.4	3.6
ESE	.4	.2	.1									.7	3.6
SE	.5	.2		.0								.7	3.1
SSE	.7	.4	.1	.1								1.3	4.2
S	1.1	1.3	1.1	.3								3.8	5.6
SSW	1.1	2.7	1.9	.8	.1							6.6	6.7
SW	.8	2.1	1.4	.6	.0	.0						5.0	6.5
WSW	1.6	2.7	1.6	.3								6.1	5.4
W	3.4	9.5	7.8	.9	.0							21.7	6.1
WNW	1.7	2.5	.9	.1								5.2	4.7
NW	1.2	1.0	.3	.0	.0							2.5	3.9
NNW	2.0	2.1	.8									4.9	4.3
VARBL													
CALM												19.1	
	24.4	34.1	19.0	3.2	.2	.0						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-2720 STATION ELMENDORF AFB AK YEARS 73-82 ALL WEATHER 0000-0200
STATION NAME CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.2	2.6	1.2									5.9	4.8
NNE	6.0	2.8	1.0									9.8	3.4
NE	7.5	3.7										11.2	2.9
ENE	4.5	1.5	.2									6.2	2.9
E	2.2	.5										2.7	2.4
ESE	.2	.3										.5	4.0
SE	.4	.1										.5	2.8
SSE	.5	.5										1.1	3.0
S	2.2	3.3	.9	.3								6.3	5.0
SSW	.9	1.4	2.8	.9								5.9	7.2
SW	.8	1.0	.9	.2	.1							2.9	6.2
WSW	.8	.6	.8	.1								2.3	5.4
W	.6	1.0	.2									1.8	4.3
WNW	.4	.4										.9	3.3
NW	.4	.2										.6	3.7
NNW	.3	.8	.2									1.7	4.3
VARBL													
CALM												39.6	
	30.3	20.4	8.1	1.5	.1							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

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

SURFACE WINDS

7-2720 ELMENDORF AFB AK 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
AUG
MONTH
0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.8	1.3									6.9	4.5
NNE	4.0	2.8	.6									7.4	3.5
NE	6.9	5.2	.2	.1								12.4	3.4
ENE	6.9	3.2	.1									10.2	2.9
E	1.7	.2										1.9	2.6
ESE	.4	.1										.5	2.4
SE	.2	.1	.1									.4	4.0
SSE	.5	.6	.3									1.5	4.6
S	1.8	2.5	1.1	.1		.1						5.6	5.2
SSW	1.1	1.0	.8	.5	.1	.1	.1					3.7	7.9
SW	1.0	.6	.6									2.3	4.5
WSW	.5	.6	.4									1.6	4.7
W	.6	.5	.3									1.5	4.5
WNW	.6	.2										.9	3.1
NW	.5	.3										.9	2.8
NNW	.8	.9	.1	.1								1.8	4.4
VARB													
CALM												40.5	
	29.5	22.7	6.0	.9	.1	.2	.1					100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 STATION ELMENDORF AFB AK 73-82 YEARS AUG SOUTH
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	4.9	4.8	1.3	.3								11.4	4.2
NNE	5.6	3.9	.8									10.2	3.6
NE	4.1	2.8										6.9	3.0
ENE	3.9	1.5										5.4	2.9
E	2.2	.5										2.6	2.5
ESE	.8	.1	.1									1.0	2.9
SE		.2										.2	4.0
SSE	.6	.2										.9	3.0
S	1.3	2.0	.9	.1								4.8	4.4
SSW	1.4	2.2	1.4	1.2		.3						6.5	7.5
SW	.6	1.2	.3									2.2	4.8
WSW	1.0	1.1	.1									2.2	3.9
W	1.9	1.8	.4									4.2	3.9
WNW	1.2	.5										1.7	2.6
NW	1.0	.3	.1									1.4	3.2
NNW	2.3	1.6	.2	.1								4.1	3.4
VARBL													
CALM												34.5	
	33.1	24.8	5.5	1.7		.3						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

712720 STATION LLMENDORF AFB AK 73-82 YEARS ALL WEATHER CLASS CONDITION

0900-1100 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.9	11.0	3.1	.1								22.1	4.6
NNE	3.9	4.7	1.6									13.2	4.3
NE	1.4	1.4	.4									3.2	4.0
ENE	.9	1.2	.1									2.2	4.0
E	.4	.3										.9	3.4
ESE													
SE	.3	.1		.1								.5	4.6
SSE	.8	.3										1.1	2.9
S	.9	.6			.3							1.6	6.2
SSW	.6	1.5	.8	.6								3.5	6.6
SW	1.0	1.6	.8	.1								3.4	5.5
WSW	1.6	3.7	.9	.1								6.2	4.9
W	3.8	6.6	2.7	.3								13.3	5.0
WNW	2.2	2.4	.5	.1								5.2	4.1
NW	3.3	1.9	.4									5.7	3.3
NNW	3.7	4.3	.6	.1								8.7	4.1
VARBL													
CALM												14.0	
	30.5	41.6	11.9	1.6	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 2720 ELMENDORF AFB AK STATION NAME YEARS 73-82
CLASS ALL WEATHER
CONDITION
DATE 1200-1400
MOUSE (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	4.3	0.1	3.1	.1								16.7	4.9
NNE	3.1	4.1	1.9	.3								2.5	4.9
NE	.9	1.2	.5									2.4	5.0
ENE	.3	.4	.1									.9	4.3
E	.5	.5										1.1	3.1
ESE	.4	.3										.8	3.6
SE	.1	.2										.3	3.7
SSE	.4	.3	.1									.9	3.8
S	.9	.5	.9	.6								2.9	6.9
SSW	.5	.2	.9	.3	.1							2.0	7.3
SW	.5	.9	1.4	.1	.1							3.0	6.7
WSW	1.7	4.7	1.3	.1								7.1	5.0
W	4.5	13.5	9.1	.4								27.6	5.7
WNW	1.5	3.8	1.2									6.5	4.9
NW	1.9	1.3	.4									3.7	3.9
NNW	1.8	4.3	1.2	.1								7.1	4.8
VARBL													
CALM												7.7	
	23.3	44.4	22.2	2.2	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	4.9	1.7	.4								10.5	4.9
NNE	2.2	3.8	.8	.1								6.8	4.4
NE	.3	1.0	.3									1.6	4.9
ENE	.4	.2										1.2	3.5
E	.5	.2	.2									1.0	4.0
ESE	.3	.2										.5	3.0
SE	.1	.2										.3	4.3
SSE	.1	.4		.1								.6	5.8
S	.5	.8	1.6	.2								3.1	7.0
SSW	.2	.5	.9	.6	.1							2.4	9.2
SW	.2	.9	1.2									2.3	6.6
WSW	1.8	1.8	1.1	.2								4.9	5.0
W	4.7	22.6	15.1	1.3								42.9	6.1
WNW	1.2	2.9	1.1									5.2	4.9
NW	1.0	1.3	.2									2.5	3.9
NNW	2.8	2.8	1.1									6.7	4.4
VARBL													
CALM												7.5	
	19.1	45.1	25.2	3.0	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7 2720 ELMENDORF AFB AK STATION NAME 73-82 YEARS AUG MONTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.5	1.4	.4								7.2	4.7
NNE	2.9	2.4	.3									5.6	3.6
NE	.8	1.4										2.2	4.0
ENE	.8	.3										1.1	3.1
E	.3	1.7	.3									1.6	4.7
ESE	.5	.2										.8	2.9
SE	.1	.6										.8	4.0
SSE	.9	.3	.2									1.3	3.8
S	.9	1.6	1.6	.2								4.3	5.9
SSW	1.7	.9	2.5	.8								5.1	7.2
SW	1.7	1.7	.9	.3								3.9	5.2
WSW	1.8	1.7	.5	.2								4.3	4.4
W	3.0	14.1	3.3	.2								25.6	4.5
WNW	4.0	3.0	.4									7.4	3.5
NW	1.3	1.7										3.0	3.9
NNW	1.6	2.3	.5									4.4	4.1
VARBL													
CALM												21.6	
	29.2	34.9	12.0	2.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 1720 STATION ELMENDORF AFB AK 73-62 YEARS AUG MONTH
STATION NAME CLASS 2100-2300 HOURS (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.8	1.2									5.7	4.6
NNE	6.1	2.3	.3	.1								8.8	3.1
NE	7.0	2.0	.1									9.1	2.8
ENE	3.1	1.2										4.3	3.0
E	2.2	.6		.1								2.9	2.7
ESE	.3	.4	.1									.9	3.9
SE	.6	.2		.1								1.0	4.3
SSE	1.3	.5	.1									1.9	3.3
S	2.3	2.7	1.5	.3								6.8	5.0
SSW	1.0	1.7	1.6	1.0								5.3	6.9
SW	1.2	.2	.6	.1								2.2	4.9
WSW	.8	.5	.3									1.6	4.3
W	2.4	2.2	.2	.1								4.8	3.9
WNW	.9	.4	.2									1.5	3.8
NW	.6	.6	.1									1.4	3.9
NNW	1.1	1.1	.3									2.5	4.1
VARBL													
CALM												19.4	
	32.5	19.6	6.9	1.8								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

7-5720 STATION ELMENDORF AFB AK YEARS 73-82 MONTHS AUG
ALL WEATHER CLAS
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	3.4	5.2	1.8	.2								10.6	4.7
NNE	4.2	3.3	.9	.1								8.5	3.9
NE	3.6	2.3	.2	.0								6.1	3.3
ENE	2.6	1.3	.1									3.9	3.1
E	1.2	.5	.1	.0								1.8	3.0
ESE	.4	.2	.0									.6	3.2
SE	.2	.2	.0	.0								.5	4.0
SSE	.6	.4	.1	.0								1.2	3.7
S	1.4	1.7	1.0	.2	.0	.0						4.5	5.4
SSW	.8	1.2	1.4	.7	.0	.1	.0					4.3	7.4
SW	.0	.9	.8	.1	.0							2.8	5.6
WSW	1.2	1.8	.7	.1								3.8	4.8
W	3.2	7.8	3.9	.3								15.2	5.3
WNW	1.5	1.7	.4	.0								3.6	4.1
NW	1.3	1.0	.2									2.4	3.5
NNW	1.8	2.2	.5	.1								4.6	4.2
VARBL													
CALM												25.6	
	28.5	31.7	12.2	1.9	.1	.1	.0					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	4.2	1.9	.9								10.7	5.4
NNE	5.3	3.9	.4									9.7	3.4
NE	8.8	5.4	.7	.1								15.0	3.3
ENE	4.3	3.4	.1									7.9	3.2
E	1.6	.6	.1	.1								2.3	3.4
ESE	.7	.1										.8	2.1
SE	.3	.2	.1									.7	4.2
SSE	.6	.6										1.1	3.6
S	.9	1.9	1.2	.1								4.1	5.9
SSW	.7	.9	2.0	.7								4.2	7.6
SW	.3	.7	.2	.2	.1							1.6	6.6
WSW	.1	.2	.1									.4	5.3
W	.4	.2		.1								.8	4.7
WNW	.1	.2	.1									.4	5.3
NW	.4	.4	.3									1.2	5.1
NNW	1.1	1.6	1.7									4.3	5.6
VARBL													
CALM												34.8	
	29.3	24.6	9.0	2.2	.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 72720 STATION NAME ELMENDORF AFB AK YEARS 73-82 MONTHS SEP
ALL WEATHER 0300-0500
 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	5.1	5.0	3.4	.3								11.9	5.8
NNE	4.7	3.6	.4									8.7	3.4
NE	9.6	4.2	.2	.1								14.1	3.0
ENE	5.1	3.7	.2									9.0	3.3
E	2.7	.4		.1								3.2	2.8
ESE	.2	.1	.1									.4	4.3
SE	.2	.2										.4	4.0
SSE	.3	.1	.2									.7	5.0
S	1.1	2.1	1.3	.3								4.9	6.0
SSW	.6	1.2	.7	.4	.4							3.3	8.3
SW		.7	.3	.2								1.2	7.5
WSW	.4	.1	.1	.1								.8	4.7
W	.4											.4	2.5
WNW	.3	.3		.1								.8	4.6
NW	.9	.3	.1									1.3	3.1
NNW	.9	1.6	1.1	.2								3.8	5.8
VARBL													
CALM												35.0	
	33.6	23.7	8.3	2.0	.4							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 ELMHENDORF AFB AK 73-82 SEP
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	3.4	4.7	3.3	.6								12.2	5.3
NNE	6.0	3.9	.7									10.6	3.4
NE	5.8	3.7	.3									9.8	3.3
ENE	6.4	3.1	.2									9.8	3.1
E	4.5	1.1	.1									5.2	2.7
ESE	.9	.1	.1									1.1	2.6
SE	.6	.2										.8	3.3
SSE	.7	.6										1.2	3.3
S	1.6	1.3	.2	.1	.1							3.3	4.4
SSW	.6	1.7	.8	.2	.2							3.4	6.7
SW	.6	.3	.7	.1								1.7	6.1
WSW	.8	.4	.2									1.4	4.1
W	.6	.6	.1									1.2	3.5
WNW	.7	.1										.8	2.3
NW	.2	.4	.3									1.0	5.4
NNW	1.4	1.4	.7	.2								3.8	4.8
VARBL													
CALM												32.7	
	34.1	23.9	7.8	1.2	.3							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7.720 ELMDORF AFB AK 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0900-1100
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.2	11.2	4.4	.2								22.1	4.9
NNE	4.2	6.8	1.2									12.2	4.3
NE	2.1	2.3	.6	.1								5.1	4.1
ENE	1.7	.8	.2									2.7	3.1
E	1.7	.3	.1									2.1	2.6
ESE	1.0	.2										1.2	2.8
SE	.2	.3										.6	3.4
SSE	.9	.1	.3	.4								1.8	6.1
S	1.7	1.0	1.0	.7								4.3	6.1
SSW	1.2	1.1	1.4	.3								4.1	6.2
SW	1.7	1.0	1.0	.4								4.1	5.7
WSW	1.2	.2	.2	.2								2.6	4.3
W	2.1	1.6	.7									4.3	4.1
WNW	1.2	.7										1.9	3.2
NW	1.8	1.4	.2									3.4	3.7
NNW	3.0	5.0	1.0									9.0	4.4
VARBL													
CALM												18.4	
	31.9	34.8	12.4	2.4								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7 3720 ELMENDORF AFB AK 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.6	8.8	4.8	.4								19.8	5.2
NNE	4.2	5.7	2.1	.4	.1							12.6	5.0
NE	1.8	1.4	.6	.1								3.9	4.6
ENE	1.0	.6	.2									1.8	3.5
E	1.1	.3	.2									1.7	3.4
ESE	.3	.3	.1			.1						.9	6.9
SE	.3											.3	2.3
SSE	.8	.3	.4	.3								1.9	6.0
S	.8	1.0	1.1	.7		.1						3.7	7.2
SSW	.9	1.0	2.1	.7								4.7	7.6
SW	.9	1.3	.7	.3	.1							3.3	6.0
WSW	2.1	1.9	.9	.6								5.4	5.1
W	3.1	5.8	1.3	.3								10.6	4.9
WNW	2.0	2.8	.6	.1								5.4	4.3
NW	1.1	1.3	.8	.1								3.3	5.0
NNW	2.2	4.4	2.6	.2								9.4	5.3
VARBL													
CALM												11.3	
	26.4	37.0	18.4	4.3	.2	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7 2720 ELMENDORF AFB AK STATION NAME 73-82 YEARS S-P
 CLASS ALL WEATHER HOURS (L & T) 1500-1700
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	7.3	4.7	.9	.1							17.6	5.5
NNE	3.3	4.4	1.8	.3								9.9	4.9
NE	1.3	1.2	.8	.1								3.4	4.8
ENE	1.4	1.1	.3	.1								3.0	4.3
E	.7	.4	.1	.2								1.4	4.7
ESE	.6	.3										.9	3.5
SE	.7		.2									.9	3.6
SSE	.2	.1	.6	.1								1.0	7.0
S	.9	1.1	2.8	.4								5.2	7.0
SSW	.3	1.4	.7	.8	.2							3.4	7.9
SW	1.1	.4	.1	.3								2.0	5.3
WSW	1.7	2.6	.9	.1								5.2	4.6
W	6.0	11.7	2.2	.4								20.3	4.7
WNW	2.1	2.3	.3									4.8	4.1
NW	1.3	.9	1.1	.1								3.4	5.1
NNW	1.9	2.0	1.0	.1								5.0	4.7
VARBL													
CALM												12.4	
	23.1	37.4	17.6	4.1	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 ELMENDORF AFB AK 73-82 SEP
STATION STATION NAME YEARS NORTH
ALL WEATHER CLASS 1900-2000
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	5.0	4.7	1.9	.7	.2							12.4
NNE	3.7	4.1	.6	.1	.1							8.6
NE	3.9	3.3	.8	.1								8.1
ENE	3.1	1.0	.3	.1								5.3
E	1.2	.6										1.8
ESE	.3	.3										.7
SE	.2	.6		.1								.9
SSE	.2	.2	.3									.8
S	1.4	3.0	.9	.2								5.6
SSW	1.0	1.1	1.3	.9	.1							4.4
SW	.9	.4	.7	.1								2.1
WSW	.8	.9	.1									1.8
W	2.7	2.8	.8									6.2
WNW	1.6	1.0	.1									2.7
NW	1.4	1.3	.2	.1								3.1
NNW	1.9	2.7	.8		.1							5.4
VARBL												
CALM												10.1
	24.3	28.8	8.8	2.4	.6							100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

73720 ELMENDORF AFB AK 73-82 SEP
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	2.3	3.9	3.2	.8	.1							11.8	5.9
NNE	3.0	4.6	1.9									11.4	4.1
NE	3.0	5.4	.3	.3								14.1	3.5
ENE	5.2	3.6	.3	.1								9.2	3.4
E	1.7	.6	.2	.2								2.7	4.0
ESE	.4	.2										.7	3.3
SE		.7										.3	4.7
SSE	.7	.1	.2	.1								1.1	4.7
S	.5	1.2	1.2	.1								3.3	5.7
SSW	.4	1.3	1.7	.8								4.2	7.6
SW	.6	.9	.2	.3								2.0	6.2
WSW	.4	.7	.2									1.3	4.5
W	.4	.6	.3									1.3	5.0
WNW	.7	.4	.1	.1								1.3	4.3
NW	.7	.8	.4	.1								1.9	5.5
NNW	1.1	1.2	1.0	.1								3.4	5.4
VARBL													
CALM												30.8	
	28.8	25.8	11.4	3.1	.1							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

7 1720 ELMENDORF AFB AK 77-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	6.2	3.5	.6	.1							14.7	5.3
NNE	4.6	4.6	1.1	.1	.0							10.4	4.1
NE	5.2	3.4	.5	.1								9.2	3.5
ENE	3.5	2.2	.2	.0								6.1	3.4
E	1.8	.5	.1	.1								2.0	3.2
ESE	.6	.2	.0			.0						.3	3.6
SE	.3	.2	.0	.0								.0	3.9
SSE	.5	.3	.3	.1								1.2	5.2
S	1.1	1.6	1.2	.3	.0	.0						4.3	5.9
SSW	.7	1.2	1.3	.6	.1							4.0	7.4
SW	.7	.7	.5	.3	.0							2.2	6.0
WSW	.9	1.0	.3	.1								2.4	4.6
W	2.0	2.9	.7	.1								5.7	4.5
WNW	1.1	1.0	.2	.0								2.3	3.9
NW	1.0	.9	.4	.1								2.3	4.5
NNW	1.7	2.5	1.2	.1	.0							5.5	5.0
VARBL													
CALM												25.7	
	37.1	29.5	11.7	7.7	.3	.0						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 STATION EL MENDOPF AFB AK 73-82 YEARS OCT
ALL WEATHER CLASS 0000-0200 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	3.3	4.3	4.5	2.7								15.4	6.8
NNE	5.4	5.8	2.3	.6	.2							14.3	4.9
NE	5.0	4.8	.5	.1	.1							11.6	3.7
ENE	4.1	3.3	.2									7.6	3.3
E	1.6	.9										2.5	1.1
ESE	.6	.4										1.1	3.4
SE	.2	.3										.5	3.4
SSE	.5	.4		.1	.2							1.4	6.8
S	.2	1.8	1.3	.1	.1							4.1	6.2
SSW	.6	.8	.9	.5	.3							3.1	3.3
SW	.2	.3	.3	.1								.8	7.7
WSW	.2	.2										.4	3.5
W	.6	.2										.9	2.9
WNW	.2	.1	.1									.4	4.8
NW	.6	.4		.1								1.2	4.3
NNW	.9	1.5	.9	.3								3.5	5.8
VARBL													
CALM												11.2	
	25.9	26.2	11.0	4.7	1.0							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 0720 EL MENDORF AFB AK 77-82 OCT
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
3300-0500
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	5.5	5.3	2.3	.2							15.5	7.2
NNE	6.3	6.6	2.7	.4	.2							16.7	4.7
NE	7.3	4.0	.8									12.9	3.5
ENE	4.6	2.8	.2									7.6	3.1
E	1.2	.5	.1									1.8	2.9
ESE	.3	.4										.8	3.9
SE	.2	.3										.5	3.8
SSE	.4	.1	.1	.2	.1							1.0	7.8
S	.6	.8	.9	.1	.3							2.7	7.2
SSW	.3	.9	.8	1.2	.5							4.1	9.3
SW	.5	.5	.1	.1	.1							1.1	7.2
WSW	.4	.2										.6	3.2
W	.3	.1										.9	3.8
WNW		.2										.3	5.0
NW	.2	.1	.1	.1								.6	6.2
NNW	.6	.6	.4	.2		.1						2.0	6.5
VARBL													
CALM												70.9	
	22.3	25.2	11.4	4.6	1.5	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-720 STATION ELMENDORF AFB AK STATION NAME 73-82 YEARS CCI MONTH
ALL WEATHERED 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	2.0	5.3	4.0	1.5	.2							13.8	4.5
NNE	4.5	5.3	1.9	.1	.2							12.2	4.8
NE	7.0	4.4	.3	.1								11.8	3.3
ENE	5.2	4.2	.1									9.5	3.4
E	2.3	1.4	.1									3.8	3.0
ESE	.5	.5	.1	.2								1.4	5.5
SE	.1	.1										.2	3.0
SSE	.4	.2										.6	2.8
S	.5	1.2	.9	.2								2.9	6.3
SSW	.6	.8	1.2	1.5	.4	.1						4.6	10.0
SW	.7	.2	.3	.3								1.1	7.8
WSW	.3	.1		.2								.6	6.2
W	.2	.4										.6	4.0
WNW	.7	.1	.1									.5	4.0
NW	.1	.2	.1									.4	5.3
NNW	.6	.9	.6	.1	.2	.1						2.6	7.2
VARBL													
CALM												73.3	
	25.0	25.3	9.8	4.3	1.1	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-720 EL MENDOPE AFB AK 73-82 COT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
8900-1100
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	0.0	5.9	1.2	.1	.1						19.8	6.1
NNE	6.3	10.4	2.9	.4								20.1	4.7
NE	3.0	3.5	.5									7.8	3.8
ENE	3.3	1.2	.3	.2								5.1	3.8
E	2.4	.3	.1									2.8	2.5
ESE	.1											.1	2.0
SE	.4	.2										.6	3.0
SSE	.9	.6	.1	.1			.1					1.6	5.6
S	.9	.5	1.1	.3		.1						3.0	6.8
SSW	.4	1.1	.5	1.1	.4	.1						3.7	10.0
SW	.3	.5	.4									1.3	5.6
WSW	.6	.9	.2	.2								1.9	4.9
W	.9	.5	.1									1.5	3.6
WNW	.1	.2	.3	.2								.9	8.0
NW		.3	.2									.5	5.8
NNW	1.2	1.5	1.2	.2		.2						4.3	6.3
VARBL													
CALM												24.7	
	26.1	30.0	14.0	4.0	.5	.5	.1					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ELMENDORF AFB AK STATION NAME ELMENDORF AFB AK YEARS 73-82 MONTHS OCT
CLASS ALL WEATHER DATES 1200-1400
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	12.2	5.9	2.2	.1	.1	.1					25.7	6.1
NNE	0.7	9.5	2.7	.5								19.7	4.6
NE	1.2	3.2	1.4									7.8	4.3
ENE	1.7	1.2	.1	.2								2.8	4.5
E	1.8	.4	.1	.1								2.5	3.3
ESE	.4	.2										.6	2.7
SE	.9	.1										1.0	2.4
SSE	.8	.5	.1									1.4	3.5
S	1.6	.9	1.2	.4								4.1	5.7
SSW	.5	1.2	1.7	1.1	.1							3.9	8.4
SW	.5	.8	.3	.1	.1							1.8	6.2
WSW	.8	.4	.3									1.5	4.4
W	1.2	.3	.6									2.2	4.6
WNW	1.0	.5	.1	.2								1.8	4.5
NW	.3	.3										1.0	2.8
NNW	1.3	1.8	.8	.4	.1	.1						4.5	6.1
VARBL													
CALM												17.7	
	27.7	33.9	14.6	5.3	.4	.2	.1					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 1720 STATION ELMENDORF AFS AK 73-62 YEARS OCT NORTH
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	4.9	7.2	7.5	1.8	.3	.2						22.0	6.6
NNE	6.7	9.2	2.2	.5	.1							18.7	4.6
NE	3.4	4.7	.1									8.3	3.7
ENE	2.2	1.0	.2	.1								4.4	3.7
E	1.6	.4										2.0	2.0
ESE	.3	.2										.5	2.8
SE	.9	.1										1.0	2.4
SSE	.4	.5	.2	.1								1.3	5.2
S	1.1	1.3	1.0	.4								3.8	6.0
SSW	.9	.6	1.3	.6								3.4	7.0
SW	.4	.1	.4	.2								1.2	6.5
WSW	.2	.3	.3									.9	6.0
W	1.4	.3	.1									1.8	3.1
WNW	1.2	.3	.2	.1								1.8	4.1
NW	.1	.4	.1	.1								.8	6.0
NNW	1.2	1.7	.5	.3	.1							3.9	5.6
VARBL													
CALM												24.2	
	26.9	29.6	14.2	4.4	.5	.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7 2720 ELMENDORF AFB AK YEARS 73-82 OCT 1900-2000
STATION NAME CLASS HOURS (LST)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	7.1	6.3	2.5	.2	.3						19.2	7.4
NNE	5.9	6.1	2.5	.5								15.1	4.7
NE	7.5	3.3	.2	.1								11.2	3.2
ENE	3.9	2.8	.3	.1								7.1	3.4
E	.9	.9	.1									1.8	3.3
ESE	.4	.1										.5	2.4
SE	.4	.1										.5	2.4
SSE	.2	.3	.1									.6	4.5
S	.6	1.6	.9	.3	.1							3.5	6.2
SSW	.4	.8	1.1	.3	.3							2.9	6.3
SW	.3	.3	.1	.2								1.0	5.7
WSW	.1	.3										.4	4.0
W	.5	.4		.2								1.2	5.0
WNW	.2	.3	.2	.2								1.0	6.6
NW	.4	.3	.1	.1								1.0	4.9
NNW	1.1	1.4	1.2									3.7	5.2
VARBL													
CALM												79.2	
	25.8	26.2	13.1	4.6	.6	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

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

SURFACE WINDS

7 0720 ELMENDORF AFB AK 73-82 OCT
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	5.4	5.6	2.7	.3	.1						16.6	7.3
NNE	5.2	5.5	2.4	.4								13.4	4.7
NE	5.1	4.6	.8	.2	.1							11.6	3.8
ENE	4.2	2.8										7.0	3.2
E	1.7	.8			.1							2.6	3.3
ESE	1.2	.3										1.5	2.7
SE	.3	.1			.1	.1						.6	8.7
SSE	.3	.4	.1									.9	3.9
S	.8	1.8	1.0	.3								3.9	5.9
SSW	.3	.3	.8	.8	.1							2.3	6.9
SW		.3		.1								.4	6.5
WSW	.2	.3	.1									.6	4.3
W	.9	.3										1.2	3.0
WNW	.2	.3										.5	4.0
NW	.5	.2		.1								1.0	3.9
NNW	1.1	2.5	.9	.2								4.6	5.4
VARBL													
CALM												31.1	
	27.2	26.5	11.5	4.8	.8	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 ELMHENDORF AFB AK 73-62 261
STATION STATION NAME YEARS MONTHS
ALL WEATHERED
CLASS
CONDITION
ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	7.0	5.6	2.1	.2	.1	.0					18.5	6.7
NNE	5.9	7.3	2.4	.5	.1							16.3	4.7
NE	5.6	4.2	.6	.1	.0							10.4	3.6
ENE	3.6	2.5	.2	.1								6.4	3.4
E	1.7	.7	.1	.0	.0							2.5	3.0
ESE	.5	.3	.0	.0								.8	3.5
SE	.4	.2			.0	.0						.6	3.6
SSE	.5	.4	.1	.1	.0		.0					1.1	5.2
S	.9	1.2	1.0	.3	.1	.0						3.5	6.2
SSW	.6	.8	.9	.9	.3	.0						3.5	8.9
SW	.3	.4	.3	.1	.0							1.1	6.6
WSW	.4	.3	.1	.1								.9	4.7
W	.8	.4	.1	.0								1.3	3.8
WNW	.4	.3	.1	.1								.9	5.1
NW	.3	.3	.1	.1								.8	4.7
NNW	1.7	1.5	.8	.2	.1	.1						3.6	5.9
VARBL													
CALM												77.8	
	26.2	27.8	12.4	4.6	.8	.2	.0					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 1720 ELMENDORF AFB AK 73-82 NGV
STATION NORTH STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
0000-0200
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.6	4.7	1.2								11.0	7.0
NNE	6.0	5.3	3.0	.6								15.8	4.6
NE	8.4	6.7	.3	.2	.2	.2	.1					16.2	4.1
ENE	8.7	4.7	.2	.2								13.8	3.2
E	5.4	1.8	.3	.1								5.7	3.6
ESE	.4		.2									.7	4.3
SE		.1										.1	4.0
SSE	.3	.6	.1	.1								1.1	5.3
S	.2	.3	.6	.3		.1						1.7	8.7
SSW	.1	.6	.2	.9								1.8	9.3
SW	.4	.1	.1									.7	3.3
WSW	.1	.1		.1		.1						.4	10.5
W	.7	.1	.1	.1								1.0	4.3
WNW	.4	.3	.1	.1								1.0	5.1
NW	.2	.2	.1	.1								.7	6.5
NNW	.3	.9	.4	.1								1.8	5.6
VARBL													
CALM												26.7	
	32.4	25.3	10.6	4.2	.2	.4	.1					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7 0720 ELMENDORF AFB AK 73-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0300-0500
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.7	3.8	3.1								11.9	7.7
NNE	4.4	6.0	2.9	.4								13.8	5.0
NE	7.3	5.6	.9	.4			.3					14.6	4.4
ENE	4.3	4.4	.2									13.0	3.0
E	4.7	2.0										6.7	2.9
ESE	.7		.1									.8	3.4
SE	.4	.2										.7	3.0
SSE	1.1	.7	.3									2.1	4.0
S	.3	1.0	.4	.1	.2							2.1	7.7
SSW	.1	.2	.4	.3	.3	.1						1.6	11.4
SW	.3		.3	.2								.9	7.3
WSW	.2	.3	.2									.8	5.0
W	.6			.1								.7	3.8
WNW	.3	.2	.1									.7	4.0
NW		.2										.2	4.5
NNW	.2	.0	.9	.2								2.2	6.9
VARBL													
CALM												27.4	
	31.5	24.5	10.7	5.0	.6	.1	.3					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 0720 STATION ELMENDORF AFB AK 73-82 YEARS NOV MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.9	3.0	2.4	.2							10.3	7.7
NNE	5.2	5.8	2.3	.7	.1							14.1	4.8
NE	9.1	3.8	.9			.1	.2					14.1	3.7
ENE	9.5	5.1	.2									14.8	3.1
E	4.4	2.2	.1									6.8	3.0
ESE	.6	.2	.1									.9	3.4
SE	.4											.4	1.8
SSE	.2		.4									.7	0.3
S	.6	.7	.7	.1	.1							2.1	6.4
SSW	.1	.2	.6	.8	.8							2.4	13.0
SW	.2	.1		.2								.6	6.8
WSW	.2	.6	.1									.9	4.5
W	.2	.3	.2									.8	5.7
WNW	.1	.1	.1									.3	6.0
NW		.4	.3									.8	6.0
NNW	.4	.6	1.2	.6								2.8	7.5
VARBL													
CALM												27.1	
	33.1	23.0	10.3	4.8	1.2	.1	.2					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 0720 EL MENDORF AFB AK 73-82 NGK
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0900-1100
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	4.7	2.0	.3							12.1	7.5
NNE	5.8	6.3	3.3	.3	.2	.1						16.1	5.0
NE	7.2	4.9	.6			.1						12.8	3.5
ENE	6.7	4.1	.1									10.9	3.1
E	4.0	1.6	.2	.2								6.0	3.4
ESE	.4	.1										.6	2.8
SE		.1										.1	4.0
SSE	.1	.4	.1	.2								.9	6.6
S	.9	.7	.9	.9	.1							3.4	7.6
SSW	.2	.2	.7	1.1	.1							2.3	10.7
SW	.3	.2	.2	.2	.1							1.1	8.4
WSW	.1	.1										.2	3.5
W	.4	.3	.1									.9	4.3
WNW	.2	.2	.1	.1								.7	6.0
NW	.1	.2	.1	.2								.7	7.5
NNW	.4	.6	1.2	.4								2.7	7.4
VARBL													
CALM												26.5	
	24.8	23.5	12.3	5.8	.9	.2						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 LLHENDORF AFB AK 73-62 NOV
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	4.7	3.6	2.0	.1							14.7	6.3
NNE	6.2	6.8	2.9	.7	.3							16.9	5.1
NE	5.2	5.8	.9	.1	.1	.1						13.2	4.0
ENE	3.0	3.1	.2	.1								7.3	3.6
E	2.7	2.1										4.6	3.0
ESE	.0	.1	.1									1.1	2.6
SE	.2											.2	1.5
SSE	.2		.3	.1	.1							.3	8.9
S	.9	1.0	.3	.2								2.4	5.2
SSW	.9	.9	.9	1.4	.1							4.2	8.8
SW	.4	.3	.1	.2								1.1	5.9
WSW	.6	.4	.1									1.1	4.0
W	.5		.2	.1								.9	5.3
WNW	.7	.1	.3	.1								.9	5.9
NW	.3	.3	.3	.1								1.1	6.4
NNW	.9	.7	.7	.3								2.6	6.0
VARBL													
CALM												26.7	
	29.6	26.3	11.0	5.6	.8	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2720 STATION ELMDORF AFB AK 73-82 YEARS NOV
STATION NAME MONTH
ALL WEATHER CLASS 1500-1700
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.7	3.6	1.3	.4							11.9	4.8
NNE	.5	5.6	1.8	.4								13.5	4.5
NE	9.6	4.8	.7	.3								15.4	3.4
ENE	7.7	3.7	.2									11.6	3.0
E	2.4	1.0		.1	.1							3.7	3.6
ESE	.6	.3	.1	.1								1.3	4.2
SE	.2	.2	.1									.6	4.8
SSE	.9	.4	.3		.1							1.2	5.4
S	.7	.6	.3	.6								2.1	6.9
SSW	.9	.4	.8	.7								2.8	7.2
SW	.3	.3	.2	.2								1.1	6.3
WSW	.1	.1			.1							.3	8.7
W	.3	.2	.2									.3	4.7
WNW	.3	.1		.1								.6	4.8
NW	.2		.3									.6	6.4
NNW	.3	.4	.8	.3								1.9	7.5
VARBL													
CALM												70.1	
	33.3	21.9	9.5	4.2	.8							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

73720 ELMENDORF AFB AK 73-82 NGV
STATION MONTH
ALL WEATHER CLASS 1900-2000
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.3	5.9	1.2								13.4	6.8
NNE	4.1	5.8	2.7	.8								13.3	5.2
NE	7.4	5.7	.4	.3								15.9	3.4
ENE	7.3	4.4	.3									12.1	3.2
E	3.4	1.2		.1								4.8	2.9
ESE	.7	.1		.1								.9	3.5
SE	.2	.3		.2	.1							.9	7.4
SSE	.4		.3		.1							.9	6.5
S	.6	.6	.9	.1								2.1	5.5
SSW	.7	.4	1.0	.1								1.9	6.9
SW	.2	.1	.3	.2								.9	7.6
WSW	.0	.3										.9	3.0
W	.6	.3	.1									1.0	3.9
WNW	.3	.2	.1									.7	4.2
NW	.7	.2	.1									.7	3.7
NNW	.7	.6	.6	.1								1.9	5.4
VARBL													
CALM												27.8	
	31.5	24.3	12.8	3.3	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

70720 EL MENDORF AFB AK 73-82 NOV
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	1.4	3.4	4.6	2.2								11.7	7.5
NNE	5.1	6.7	2.1	.2	.1							15.2	4.5
NE	7.1	5.3	.9	.2								13.6	3.8
ENE	6.3	6.9	.4		.1	.1						14.3	3.7
E	5.3	1.7										5.0	3.0
ESE	.2	.2										.4	3.0
SE			.1									.1	8.0
SSE	.3	.3	.1	.1								.9	5.9
S	.6	.7	1.0	.8	.1							3.1	5.7
SSW	.2	.2	.3	.1								.9	6.5
SW	.2	.1		.1								.4	6.5
WSW	.2	.1		.1								.4	5.3
W	.2	.1	.1	.1								.6	6.2
WW	.3	.1	.1									.6	3.6
NW	.2	.2	.1	.1								.7	5.3
NNW	.8	.7	.8									2.2	5.3
VARBL													
CALM												29.9	
	29.1	26.8	10.7	4.1	.3	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 71720 ELMENDORF AFB AK YEARS 73-82 MONTH NOV

ALL WEATHER

CLAIM

CONDITION

ALL

HOURLS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.5	4.2	1.9	.1							12.1	7.1
NNE	5.6	6.7	2.6	.5	.1	.3						14.9	4.8
NE	8.1	5.3	.7	.2	.0	.1	.1					14.5	3.8
ENE	7.4	4.6	.3	.0	.0	.3						12.2	3.2
E	3.6	1.7	.1	.1	.0							5.4	3.2
ESE	.6	.1	.1	.0								.8	3.5
SE	.2	.1	.0	.0	.0							.4	4.5
SSE	.5	.3	.3	.1	.0							1.1	5.7
S	.6	.7	.6	.4	.1	.0						2.4	7.1
SSW	.4	.4	.6	.7	.2	.0						2.2	9.3
SW	.3	.2	.2	.2	.0							.8	6.6
WSW	.3	.3	.1	.0	.0	.0						.6	5.0
W	.4	.2	.1	.1								.8	4.7
WNW	.3	.2	.1	.1								.7	5.0
NW	.2	.2	.2	.1								.7	5.9
NNW	.5	.7	.8	.3								2.3	6.5
VARBL													
CALM												78.0	
	31.1	24.5	11.0	4.6	.6	.1	.1					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 7196

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7-1720 LLMENDORF AFB AK STATION NAME 73-82 YEARS DEC
ALL WEATHER 0000-0200
 CLASS NOVRS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.7	4.1	2.0	.8							11.4	8.2
NNE	3.1	9.0	2.5	.4	.1							14.1	5.2
NE	9.1	7.3	1.2	.1	.1							17.8	3.7
ENE	5.1	6.6	.4	.1								15.2	3.4
E	3.3	1.8	.2	.4								5.8	3.9
ESE	.3	.3		.2								.9	5.4
SE	.3	.3										.6	3.3
SSE	.5	.1	.1									.8	3.4
S	.5	1.0	.3	.1	.3							2.3	6.9
SSW	.4	.2	1.1	.4	.3							2.5	9.6
SW	.1	.2	.3	.1	.1							.9	8.8
WSW	.2	.2	.1	.1								.6	5.8
W	.4	.2										.6	2.8
WNW	.1			.1								.2	7.0
NW	.1	.1	.3									.5	6.2
NNW	.5	1.0	.9	.3								2.7	6.0
VARBL													
CALM												23.1	
	29.1	30.3	11.5	4.5	1.7							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

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

SURFACE WINDS

77720 ELMENDORF AFB AK 73-82 DEC

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

0300-0500

HOURLS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	2.3	2.0	.8	.1						9.2	8.8
NNE	5.6	6.9	2.6	.3	.1							15.5	4.8
NE	9.0	6.9	1.0									16.9	3.5
ENE	9.1	8.2	.1	.1								16.5	3.4
E	2.4	2.7	.2	.2								4.8	3.8
ESE	.9	.2		.1								1.2	3.7
SE	.1	.1		.1								.3	6.3
SSE	.2		.1									.3	4.7
S	.5	.6	.4	.4	.1							2.3	6.9
SSW	.2	.5	.9	.4	.1							2.7	8.5
SW	.1												2.0
WSW	.1	.1		.2								.4	7.8
W	.2	.3										.5	3.8
WNW	.4		.1									.5	3.4
NW	.1	.1	.1		.1							.4	8.5
NNW	.6	.5	.6	.2								2.0	6.3
VARBL													
CALM												26.9	
	29.9	29.3	8.4	4.2	1.2	.1						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 929

CLIMAT. CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 73-82 ELMENDORF AFB AK STATION NAME 73-82 YEARS DLC
MONTH 0600-0600
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.3	3.0	1.7	.1	.1						10.2	7.2
NNE	5.5	7.2	2.7	.8	.1							16.2	5.0
NE	3.0	9.6	.9	.2		.1						18.7	4.0
ENE	7.4	5.5	1.0	.1								14.0	3.5
E	3.9	1.7	.4									6.0	3.3
ESE	.4	.2										.6	3.0
SE	.3											.3	1.7
SSE	1.0	.1	.1	.1								1.3	4.2
S	.4	.3	.6	.2	.1							1.7	7.8
SSW		.6	.2	.4								1.3	6.3
SW	.4	.1	.2	.1								.9	5.5
WSW													
W	.1	.3										.4	4.3
WNW			.2									.2	9.5
NW	.1		.2	.1								.4	6.0
NNW	.6	.3	.5									1.5	5.1
VARBL													
CALM												26.1	
	30.1	29.4	10.1	3.8	.3	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 0720 ELMENDORF AFB AK 73-82 DEC
STATION STATION NAME YEARS NORTH
ALL WEATHER CLASS 0900-1100
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	3.0	1.0	.2							9.8	6.5
NNE	5.0	7.8	3.5	.3	.1	.2						18.1	5.2
NE	7.6	6.8	1.2	.3	.1							16.0	4.0
ENE	7.7	6.0	1.4									15.2	3.7
E	2.8	2.2	.2									5.2	3.4
ESE	.3	.2		.1								.6	4.8
SE	.1		.1									.2	4.5
SSE	.4	.3	.1									.9	3.8
S	.2	.5	.8	.1	.1	.2						1.9	9.4
SSW	.6	.4	.9	.4								2.4	6.9
SW		.2										.2	5.0
WSW	.1	.1	.1	.2								.5	8.0
W	.5	.1										.8	3.1
WNW		.1	.1									.2	6.0
NW	.1	.2	.1									.4	5.5
NNW		1.2	.3									1.5	5.6
VARBL													
CALM												26.1	
	29.5	30.1	11.8	2.5	.5	.4						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7 2720 STATION NAME ELMENDORF AFB AK YEARS 73-82 MONTH DEC

CLASS ALL WEATHER HOURS (LST) 1200-1400

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	3.0	4.1	3.6	1.6	.3	.1						12.7	6.9
NNE	5.6	7.4	3.0	.1	.1	.1						16.4	4.8
NE	3.0	7.8	1.3	.2								17.2	3.9
ENE	5.7	5.9	.5	.3								12.5	3.8
E	3.0	1.6	.4	.2								5.3	3.9
ESE	.3	.1		.1								.5	5.4
SE		.2	.1	.2								.5	7.8
SSE	.4	.1	.1	.3								1.0	6.2
S	.2	.6	.8	.3		.1						2.2	8.4
SSW	.3	1.2	.5	.3	.1	.1						2.6	7.8
SW		.1	.4									.5	7.6
WSW	.5	.1										.6	2.5
W		.3										.3	4.7
WNW	.2	.1										.3	3.3
NW	.1	.1										.2	4.5
NNW	.2	.3	.5	.1								1.2	7.0
VARBL													
CALM												26.0	
	27.7	30.1	11.3	3.9	.5	.4						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7-2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

DEC
MONTH

ALL WEATHER

CLAM

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.6	2.8	2.4	.1							10.4	7.5
NNE	5.5	6.0	3.3	.4	.2							15.5	5.0
NE	7.8	6.6	1.0	.3	.1							15.7	4.0
ENE	8.0	6.5	.3	.1								14.9	3.4
E	2.6	1.6	.5	.2								5.0	4.1
ESE	.8	.2	.1									1.1	3.1
SE	.1	.3	.1									.5	4.8
SSE	.8	.2	.1									1.1	3.4
S	.5	.8	1.1	.1								2.5	6.3
SSW	.3	.3	.6	.6		.1						2.0	9.3
SW	.1	.4	.3	.2	.2							1.3	9.2
WSW	.3	.1										.4	3.0
W	.5	.5										1.1	3.4
WNW	.3	.1	.1	.1								.6	6.0
NW	.3	.1				.1						.5	7.0
NNW	.5	.3	.3	.4								1.6	6.9
VARBL													
CALM												25.7	
	33.0	27.7	10.8	5.0	.6	.2						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

SURFACE WINDS

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

71720 STATION 72-82 YEARS DEC
ELMENDORF AFB AK NORTH
ALL WEATHER CLASS 1800-2000 HOURS (L.E.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	1.7	4.9	1.5	.3							10.0	8.0
NNE	3.3	7.2	3.1	.6	.3							14.7	9.5
NE	9.0	5.4	.9	.3	.1							15.6	3.7
ENE	9.2	6.4	.4	.1								16.5	3.4
E	2.7	1.9	.2									4.9	3.4
ESE	.8	.1										.9	2.0
SE	.4	.3										.8	3.0
SSE	.4	.1	.1									.6	4.2
S	1.0	.8	.8		.1							2.6	5.5
SSW	.2	.6	1.1	1.1								3.0	9.2
SW	.1	.2	.1	.2								.6	8.0
WSW	.3	.2	.1									.6	4.7
W		.2	.2									.4	7.0
WNW	.2	.1	.2									.5	5.4
NW	.2	.2										.4	3.3
NNW	.3	1.1	.2	.2								2.3	5.2
VARBL													
CALM												25.5	
	30.2	27.1	12.3	4.1	.9							120.0	3.7

TOTAL NUMBER OF OBSERVATIONS 927

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7 2725 STATION ELMENDORF AFB AK 73-82 YEARS DEC MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.0	2.7	2.4	.6							10.8	8.1
NNE	5.5	6.6	2.4	.4	.2							15.2	4.8
NE	6.3	7.7	.9									14.6	3.8
ENE	2.7	6.4	.3									16.4	3.1
E	2.4	2.4	.2	.4								5.4	4.1
ESE	1.2	.3	.1									1.6	3.1
SE	.1											.1	3.0
SSE	.2	.1										.3	3.0
S	.5	1.2	.1	.2								2.3	5.3
SSW	.4	.3	1.1	.3	.2	.3						2.7	10.5
SW	.1	.2	.4	.3								1.1	6.9
WSW		.1										.1	6.0
W	.2	.3										.5	3.8
WNW	.4	.1	.1									.6	3.5
NW	.1	.1		.1								.3	6.3
NNW	.3	.6	.6	.4								2.0	7.4
VARBL													
CALM												25.7	
	29.0	30.3	9.0	4.6	1.1	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7429 ELMENDORF AFB AK STATION NAME 73-82 YEARS DEC
MONTH ALL
CLASS ALL
HOURS (LST) 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	1.7	3.2	3.3	1.8	.4	.2						11.5	7.6
NNE	5.0	7.1	2.9	.4	.2	.3						15.7	5.0
NE	8.1	7.2	1.0	.2	.1	.0						10.6	3.8
ENE	3.0	6.5	.6	.1								15.1	3.5
E	2.9	1.9	.3	.2								5.3	3.8
ESE	.6	.2	.0	.1								.9	3.7
SE	.2	.2	.0	.0								.4	4.4
SSE	.5	.1	.1	.1								.8	4.5
S	.5	.7	.6	.2	.1	.7						2.2	6.9
SSW	.7	.5	.8	.5	.1	.1						2.3	8.8
SW	.1	.2	.2	.1	.0							.7	7.9
WSW	.2	.1	.0	.1								.4	5.2
W	.3	.3	.0									.6	3.9
WNW	.2	.1	.1	.0								.4	5.0
NW	.1	.1	.1	.0	.0	.0						.4	6.3
NNW	.5	.7	.5	.2								1.9	6.2
VARBL													
CALM												25.6	
	29.3	29.3	10.6	4.1	.9	.2						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 7429

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 10720 ELMENDORF AFB AK STATION NAME 73-82 YEARS ALL
MONTH ALL
CLASS ALL
CONDITION ALL
HOURS (LST) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	5.7	3.6	1.1	.1	.0	.0					12.7	4.2
NNE	4.3	5.1	2.1	.4	.1	.1	.0					12.1	5.1
NE	4.9	3.4	.6	.2	.0	.1	.0	.0				9.2	3.9
ENE	4.2	2.7	.2	.0	.0	.0						7.2	3.4
E	1.7	.9	.2	.1	.0	.0						2.9	3.5
ESE	.5	.2	.1	.0	.0	.0						.8	4.0
SE	.3	.2	.0	.0	.0	.0						.5	4.0
SSE	.5	.3	.2	.1	.0	.0	.0					1.1	5.3
S	.8	1.1	.9	.3	.0	.0	.0					3.2	6.3
SSW	.7	1.3	1.2	.7	.1	.0	.0					4.1	7.4
SW	.6	.8	.6	.3	.0	.0						2.3	6.2
WSW	.9	1.2	.6	.1	.0	.0						2.9	5.1
W	1.9	4.0	3.0	.4	.0		.0					9.2	5.8
WNW	.9	1.1	.5	.0								2.5	4.7
NW	.7	.6	.2	.0	.0	.0						1.5	4.3
NNW	1.2	1.7	.8	.1	.0	.0						3.8	5.1
VARBL													
CALM												24.1	
	26.9	29.5	14.8	4.0	.5	.2	.1	.0				100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 87630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 73-720 STATION NAME ELMENDORF AFB AK YEARS 73-82 ALL MONTHS
INSTRUMENT CLASS ALL HOURS (LST)
CONDITION 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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	5.6	4.9	1.7	.0							15.9	6.3
NNE	5.1	6.2	2.8	.2	.0							14.3	4.7
NE	4.4	2.9	.6	.0								7.9	3.5
ENE	3.5	1.9	.2									5.7	3.1
E	1.6	.7	.1									2.4	3.0
ESE	.4	.2		.0								.6	3.0
SE	.5	.2	.0									.6	2.7
SSE	.5	.3	.1									.8	3.5
S	1.1	1.9	1.6	.4								5.1	6.1
SSW	.6	1.9	1.6	.9	.2							5.3	7.4
SW	.7	1.4	.8	.2	.0							3.1	5.9
WSW	.3	1.0	.4	.1	.0							2.4	4.8
W	1.4	1.9	.7									3.9	4.5
WNW	.5	.7	.1									1.3	4.0
NW	.7	.2	.0									.9	2.9
NNW	.3	.7	.3	.2								2.0	5.0
VARBL													
CALM												27.6	
	25.4	27.8	14.1	3.8	.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 6567

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥ 10 mi visibility category should be used with great caution.

(continued on Reverse Side)

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

1A

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	34.5	36.9	37.2	37.4	37.6	37.6	37.6	37.8	38.0	38.2	38.4	38.5	39.4	39.6	40.1	41.0
≥ 20000	35.7	38.2	38.5	38.7	38.9	38.9	38.9	39.1	39.2	39.5	39.7	39.8	40.6	40.9	41.4	42.3
≥ 18000	36.3	38.8	39.1	39.4	39.6	39.6	39.6	39.8	39.9	40.1	40.3	40.4	41.3	41.5	42.0	42.9
≥ 16000	36.6	39.0	39.4	39.6	39.8	39.8	39.8	40.0	40.1	40.3	40.5	40.6	41.5	41.7	42.3	43.1
≥ 14000	36.8	39.2	39.6	39.8	40.0	40.0	40.0	40.2	40.3	40.5	40.8	40.9	41.7	41.9	42.5	43.3
≥ 12000	38.6	41.1	41.4	41.6	41.8	41.8	41.8	42.2	42.3	42.5	42.7	42.8	43.7	43.9	44.4	45.3
≥ 10000	42.6	45.1	45.4	45.6	45.8	45.8	45.8	46.1	46.2	46.5	46.7	46.8	47.6	47.8	48.4	49.2
≥ 9000	44.5	47.0	47.3	47.5	47.7	47.7	47.7	48.1	48.2	48.4	48.6	48.7	49.6	49.8	50.3	51.2
≥ 8000	49.8	52.3	52.6	52.8	53.0	53.0	53.0	53.3	53.4	53.7	53.9	54.0	54.8	55.1	55.6	56.5
≥ 7000	54.9	57.6	58.0	58.2	58.4	58.4	58.4	58.7	58.8	59.0	59.2	59.4	60.2	60.4	61.0	61.8
≥ 6000	58.0	60.9	61.2	61.4	61.6	61.6	61.6	61.9	62.0	62.3	62.5	62.6	63.4	63.7	64.2	65.1
≥ 5000	62.7	66.1	66.5	66.7	66.9	66.9	66.9	67.2	67.3	67.5	67.8	68.2	69.0	69.2	69.8	70.6
≥ 4500	66.9	70.6	71.2	71.4	71.6	71.6	71.6	71.9	72.0	72.3	72.6	72.9	73.8	74.0	74.5	75.4
≥ 4000	70.9	74.6	75.2	75.4	75.6	75.6	75.6	75.9	76.0	76.2	76.6	76.9	77.7	78.0	78.5	79.4
≥ 3500	72.4	76.3	77.1	77.4	77.6	77.6	77.6	78.0	78.1	78.3	78.6	78.9	79.8	80.0	80.5	81.4
≥ 3000	73.3	77.6	78.7	79.0	79.5	79.5	79.5	79.8	80.0	80.2	80.5	80.9	81.7	81.9	82.5	83.3
≥ 2500	74.7	79.0	80.1	80.4	80.9	80.9	80.9	81.2	81.4	81.6	81.9	82.3	83.1	83.3	83.9	84.7
≥ 2000	75.5	80.1	81.3	81.7	82.2	82.2	82.3	82.6	82.8	83.0	83.3	83.7	84.5	84.7	85.3	86.1
≥ 1800	75.5	80.4	81.6	82.0	82.5	82.5	82.6	83.0	83.2	83.4	83.8	84.1	84.9	85.2	85.7	86.6
≥ 1600	76.0	81.2	82.6	83.1	84.0	84.0	84.1	84.6	84.8	85.1	85.4	85.7	86.6	86.8	87.3	88.2
≥ 1400	76.0	81.3	82.9	83.4	84.4	84.5	84.7	85.5	85.7	85.9	86.2	86.6	87.4	87.6	88.2	89.0
≥ 1200	76.6	82.3	83.9	84.5	85.6	85.8	86.1	87.1	87.3	87.5	88.0	88.3	89.1	89.4	89.9	90.8
≥ 1000	76.7	82.5	84.1	84.7	85.8	86.0	86.3	87.3	87.5	87.8	88.3	88.6	89.6	89.8	90.3	91.2
≥ 900	77.0	82.8	84.5	85.2	86.2	86.5	87.0	88.0	88.2	88.5	88.9	89.2	90.2	90.4	91.0	91.8
≥ 800	77.2	83.0	84.7	85.4	86.5	86.7	87.2	88.2	88.4	88.7	89.4	89.7	90.6	90.9	91.5	92.6
≥ 700	77.6	83.4	85.2	85.8	87.0	87.3	87.8	88.8	89.0	89.4	90.0	90.3	91.3	91.5	92.2	93.2
≥ 600	77.6	83.7	85.5	86.2	87.4	87.7	88.3	89.2	89.5	90.1	90.8	91.1	92.3	92.5	93.1	94.3
≥ 500	77.8	84.2	86.0	86.8	88.0	88.3	88.8	89.9	90.2	91.0	91.6	92.2	93.3	93.8	94.7	96.0
≥ 400	78.1	84.6	86.6	87.4	88.6	88.9	89.5	90.5	91.0	91.9	92.7	93.2	94.5	94.9	96.0	97.4
≥ 300	78.1	84.7	86.7	87.7	88.9	89.2	89.9	91.1	91.6	92.6	93.3	93.9	95.4	95.8	97.1	98.7
≥ 200	78.1	84.7	86.8	87.8	89.0	89.4	90.0	91.3	91.8	92.8	93.7	94.3	95.8	96.2	97.6	99.9
≥ 100	78.1	84.7	86.8	87.8	89.0	89.4	90.0	91.3	91.8	92.8	93.7	94.3	95.8	96.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENTORF AFB AK

73-82

1981

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	32.2	34.9	35.5	35.5	35.8	35.9	36.2	36.3	36.6	36.7	37.2	37.2	37.7	38.3	38.5	39.4
≥20000	34.1	36.9	37.5	37.5	37.8	38.0	38.3	38.4	38.6	38.7	39.2	39.2	39.8	40.3	40.5	41.4
≥18000	34.7	37.5	38.2	38.2	38.5	38.6	38.9	39.0	39.2	39.4	39.9	39.9	40.4	41.0	41.2	42.0
≥16000	34.7	37.5	38.2	38.2	38.5	38.6	38.9	39.0	39.2	39.4	39.9	39.9	40.4	41.0	41.2	42.0
≥14000	34.8	37.6	38.3	38.3	38.6	38.7	39.0	39.1	39.4	39.5	40.0	40.0	40.5	41.1	41.3	42.2
≥12000	35.7	38.5	39.1	39.2	39.6	39.7	40.0	40.1	40.3	40.4	41.0	41.0	41.5	42.0	42.3	43.1
≥10000	38.0	40.9	41.5	41.6	41.9	42.0	42.4	42.5	42.7	42.8	43.3	43.3	43.9	44.4	44.6	45.5
≥9000	40.4	43.3	44.0	44.1	44.4	44.5	44.8	44.9	45.2	45.3	45.8	45.8	46.3	46.9	47.1	48.0
≥8000	45.6	48.5	49.1	49.2	49.6	49.7	50.0	50.1	50.3	50.4	51.0	51.0	51.5	52.0	52.3	53.1
≥7000	49.4	52.5	53.1	53.2	53.5	53.7	54.1	54.1	54.3	54.4	54.9	54.9	55.5	56.0	56.2	57.1
≥6000	54.5	57.6	58.3	58.4	58.7	58.8	59.1	59.2	59.5	59.6	60.1	60.1	60.6	61.2	61.4	62.3
≥5000	59.1	62.3	62.9	63.1	63.4	63.5	63.9	64.0	64.2	64.4	64.9	64.9	65.5	66.0	66.2	67.1
≥4500	63.7	66.9	67.5	67.7	68.1	68.2	68.5	68.6	68.8	69.0	69.6	69.6	70.1	70.6	70.9	71.7
≥4000	68.1	71.6	72.3	72.5	72.8	73.0	73.3	73.4	73.7	73.9	74.4	74.4	74.9	75.5	75.7	76.6
≥3500	69.2	72.9	73.5	73.8	74.1	74.3	74.6	74.7	74.9	75.2	75.7	75.7	76.2	76.8	77.0	77.8
≥3000	70.5	74.4	75.2	75.8	76.1	76.3	76.7	76.8	77.0	77.2	77.7	77.7	78.3	78.8	79.0	79.9
≥2500	71.3	75.4	76.1	76.8	77.1	77.3	77.6	77.7	78.0	78.2	78.7	78.7	79.2	79.8	80.0	80.9
≥2000	72.2	76.9	77.7	78.7	79.1	79.4	79.8	80.0	80.2	80.5	81.2	81.2	81.7	82.3	82.5	83.3
≥1800	72.2	77.0	77.8	78.9	79.4	79.6	80.0	80.2	80.4	80.8	81.4	81.4	81.9	82.5	82.7	83.5
≥1600	72.6	77.5	78.5	79.7	80.2	80.5	81.0	81.3	81.5	81.8	82.6	82.6	83.1	83.7	83.9	84.7
≥1400	72.7	77.8	78.8	80.0	80.9	81.3	81.7	82.3	82.5	82.8	83.5	83.5	84.1	84.6	84.8	85.7
≥1200	73.0	78.7	79.8	81.0	81.9	82.4	82.9	83.5	83.9	84.2	84.9	84.9	85.5	86.0	86.2	87.1
≥1000	73.1	78.8	79.9	81.1	82.2	82.7	83.3	84.1	84.5	84.8	85.6	85.6	86.1	86.7	86.9	87.7
≥900	73.3	79.0	80.1	81.3	82.4	82.9	83.9	84.6	85.3	85.6	86.3	86.3	86.9	87.4	87.6	88.5
≥800	73.4	79.7	80.8	81.9	83.0	83.5	84.7	85.5	86.1	86.5	87.2	87.2	87.7	88.3	88.7	89.7
≥700	73.5	80.4	81.5	82.8	83.9	84.5	85.8	86.6	87.2	87.6	88.4	88.4	88.9	89.5	89.9	90.9
≥600	74.3	81.1	82.3	83.5	85.1	85.7	87.0	87.7	88.4	88.9	89.9	89.9	90.5	91.1	91.5	92.6
≥500	74.5	81.4	82.7	84.0	85.7	86.3	87.6	88.5	89.1	89.8	90.8	90.8	91.7	92.4	92.9	94.3
≥400	75.4	82.5	83.9	85.2	87.2	87.8	89.4	90.2	90.9	91.5	92.6	92.7	93.8	94.5	95.2	96.6
≥300	75.4	82.6	84.0	85.3	87.4	88.1	89.7	90.5	91.2	91.9	93.3	93.5	94.8	95.7	96.5	98.3
≥200	75.4	82.6	84.1	85.4	87.5	88.2	89.8	90.6	91.3	92.3	93.7	93.9	95.3	96.1	97.2	99.7
≥100	75.4	82.6	84.1	85.4	87.5	88.2	89.8	90.6	91.3	92.3	93.7	93.9	95.3	96.1	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720

ELMENDORF AFB AK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-9600

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	28.3	30.3	30.9	31.2	31.5	31.5	31.9	31.9	31.9	32.3	32.5	32.5	32.7	33.1	33.7	33.9
≥ 20000	29.7	31.9	32.5	32.8	33.1	33.1	33.5	33.5	33.5	33.9	34.1	34.1	34.3	34.7	35.3	35.5
≥ 18000	30.5	32.9	33.4	33.8	34.1	34.1	34.5	34.5	34.5	34.8	35.1	35.1	35.3	35.7	36.2	36.5
≥ 16000	30.5	32.9	33.4	33.8	34.1	34.1	34.5	34.5	34.5	34.8	35.1	35.1	35.3	35.7	36.2	36.5
≥ 14000	31.0	33.3	33.9	34.2	34.5	34.5	34.9	34.9	34.9	35.3	35.5	35.5	35.7	36.1	36.7	36.9
≥ 12000	31.8	34.2	34.7	35.1	35.4	35.4	35.8	35.8	35.8	36.1	36.3	36.3	36.6	37.0	37.5	37.7
≥ 10000	35.8	38.3	38.8	39.1	39.5	39.5	39.9	39.9	39.9	40.2	40.4	40.4	40.6	41.1	41.7	41.9
≥ 9500	36.9	39.4	39.9	40.2	40.5	40.5	41.0	41.0	41.0	41.3	41.5	41.5	41.7	42.2	42.8	43.0
≥ 8000	43.0	45.6	46.1	46.5	46.8	46.8	47.2	47.2	47.2	47.5	47.7	47.7	48.0	48.4	49.0	49.2
≥ 7000	49.4	51.9	52.5	52.8	53.1	53.1	53.5	53.5	53.5	53.9	54.1	54.1	54.3	54.7	55.4	55.6
≥ 6000	53.2	56.0	56.6	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.5	58.5	58.7	59.1	59.8	60.0
≥ 5000	57.7	60.9	61.4	61.9	62.4	62.4	62.8	62.8	62.8	63.1	63.3	63.3	63.5	64.0	64.6	64.8
≥ 4500	64.3	67.4	68.1	68.6	69.0	69.0	69.5	69.5	69.5	69.8	70.0	70.0	70.2	70.6	71.3	71.5
≥ 4000	68.3	71.9	72.7	73.3	73.8	73.8	74.2	74.2	74.2	74.5	74.7	74.7	74.9	75.4	76.0	76.2
≥ 3500	68.9	72.6	73.3	74.0	74.4	74.4	74.8	74.8	74.8	75.2	75.4	75.4	75.6	76.0	76.7	76.9
≥ 3000	71.3	75.1	76.0	76.8	77.2	77.2	77.6	77.6	77.6	78.0	78.2	78.2	78.4	78.8	79.5	79.7
≥ 2500	72.0	76.3	77.4	78.2	78.6	78.6	79.0	79.1	79.1	79.5	79.7	79.7	79.9	80.3	81.0	81.2
≥ 2000	73.0	78.3	79.8	80.5	81.1	81.1	81.6	81.7	81.7	82.0	82.3	82.3	82.5	82.9	83.5	83.8
≥ 1800	73.2	79.1	80.6	81.4	81.9	81.9	82.5	82.6	82.6	82.9	83.1	83.1	83.3	83.8	84.4	84.6
≥ 1500	73.3	80.2	81.9	82.8	83.3	83.3	83.9	84.0	84.0	84.3	84.5	84.5	84.7	85.2	85.8	86.0
≥ 1200	73.3	80.5	82.3	83.1	83.7	83.7	84.3	84.4	84.4	84.7	84.9	84.9	85.2	85.6	86.2	86.5
≥ 1000	73.4	81.0	82.7	83.5	84.1	84.1	84.7	84.8	84.8	85.2	85.5	85.5	85.7	86.1	86.8	87.0
≥ 900	73.4	81.0	82.7	83.5	84.1	84.1	84.7	84.8	84.8	85.2	85.5	85.5	85.7	86.1	86.9	87.1
≥ 800	73.4	81.0	82.8	83.7	84.3	84.3	84.9	85.3	85.3	85.6	85.9	85.9	86.1	86.6	87.3	87.5
≥ 700	74.1	81.6	83.7	84.6	85.4	85.4	86.3	86.8	86.8	87.1	87.5	87.5	87.7	88.2	88.9	89.1
≥ 600	74.2	81.7	83.9	84.8	85.6	85.6	86.7	87.2	87.3	87.8	88.3	88.3	88.5	88.9	89.7	89.9
≥ 500	74.5	82.8	85.3	86.2	87.0	87.0	88.4	89.0	89.1	89.7	90.2	90.3	90.5	91.0	91.7	92.0
≥ 400	74.7	83.3	86.1	87.1	88.1	88.1	89.7	90.3	90.4	91.0	91.5	91.7	92.0	92.5	93.4	93.8
≥ 300	74.8	83.5	86.5	87.4	88.4	88.4	90.0	90.9	91.1	92.2	93.1	93.3	94.0	94.5	95.9	96.3
≥ 200	74.8	83.7	86.6	87.6	88.7	88.7	90.3	91.4	91.6	92.7	93.7	93.9	94.9	95.7	97.5	98.8
≥ 100	74.8	83.7	86.7	87.7	88.8	88.8	90.4	91.6	91.8	92.9	94.1	94.3	95.4	96.2	98.1	99.7
≥ 50	74.8	83.7	86.7	87.7	88.8	88.8	90.4	91.6	91.8	92.9	94.1	94.3	95.4	96.2	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70-720 EL MENDORF AFB AK

73-82

1A5

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO. CEILING	27.3	28.0	28.4	28.7	29.1	29.2	29.2	29.5	29.6	30.0	30.6	30.8	31.5	32.2	32.6	33.3
≥ 20000	29.6	30.2	30.6	31.0	31.4	31.5	31.5	31.8	31.9	32.4	33.0	33.1	33.9	34.6	35.2	36.0
≥ 18000	31.2	31.8	32.3	32.6	33.0	33.1	33.1	33.4	33.5	34.0	34.6	34.7	35.5	36.2	36.8	37.7
≥ 16000	31.3	31.9	32.4	32.7	33.1	33.2	33.2	33.5	33.7	34.1	34.7	34.8	35.6	36.3	36.9	37.8
≥ 14000	32.9	33.5	34.0	34.3	34.7	34.8	34.8	35.2	35.3	35.7	36.3	36.5	37.2	38.0	38.5	39.5
≥ 12000	35.2	35.8	36.2	36.6	37.0	37.1	37.1	37.4	37.5	38.0	38.6	38.7	39.5	40.2	40.8	41.7
≥ 10000	39.1	39.8	40.2	40.5	41.0	41.1	41.1	41.4	41.5	41.9	42.6	42.7	43.4	44.2	44.7	45.7
≥ 9000	40.8	41.4	41.8	42.2	42.6	42.7	42.7	43.0	43.1	43.5	44.2	44.3	45.1	45.8	46.3	47.3
≥ 8000	47.2	48.0	48.4	48.7	49.2	49.4	49.4	49.7	49.8	50.2	50.9	51.0	51.7	52.5	53.7	54.0
≥ 7000	51.4	52.4	52.8	53.1	53.7	53.8	53.8	54.1	54.2	54.6	55.3	55.4	56.1	56.9	57.8	58.4
≥ 6000	57.1	58.4	58.8	59.1	59.7	59.8	60.0	60.5	60.6	61.1	61.7	61.8	62.7	63.4	64.0	64.9
≥ 5000	62.8	63.9	64.3	64.6	65.2	65.3	65.5	66.0	66.1	66.6	67.2	67.3	68.2	68.9	69.5	70.4
≥ 4500	67.8	69.2	69.7	70.1	70.6	70.8	71.0	71.5	71.6	72.0	72.7	72.8	73.7	74.4	74.9	75.9
≥ 4000	71.0	72.4	72.8	73.2	73.8	73.9	74.1	74.6	74.7	75.2	75.8	75.9	76.8	77.5	78.1	79.0
≥ 3500	72.5	74.2	74.6	75.1	75.6	75.7	75.9	76.5	76.6	77.0	77.6	77.7	78.6	79.4	79.9	80.9
≥ 3000	73.8	75.8	76.3	76.8	77.4	77.5	77.8	78.4	78.5	78.9	79.6	79.7	80.5	81.3	81.8	82.8
≥ 2500	74.3	76.6	77.3	77.7	78.6	78.7	79.0	79.6	79.7	80.1	80.8	80.9	81.7	82.5	83.1	84.1
≥ 2000	75.5	77.8	78.9	79.5	80.4	80.5	80.9	81.4	81.5	82.0	82.7	82.8	83.7	84.4	85.1	86.0
≥ 1800	75.7	78.2	79.2	79.9	81.0	81.1	81.6	82.2	82.3	82.8	83.4	83.5	84.4	85.2	85.8	86.8
≥ 1500	76.1	78.6	79.7	80.3	81.6	81.9	82.6	83.2	83.3	84.0	84.6	84.7	85.6	86.3	87.0	88.0
≥ 1200	76.6	79.2	80.3	81.0	82.3	82.6	83.2	84.0	84.1	84.7	85.5	85.6	86.5	87.2	87.8	88.8
≥ 1000	76.6	79.2	80.3	81.0	82.5	82.8	83.5	84.4	84.5	85.2	85.9	86.0	86.9	87.6	88.3	89.2
≥ 900	76.6	79.2	80.3	81.0	82.5	82.8	83.5	84.4	84.5	85.2	85.9	86.0	86.9	87.6	88.3	89.2
≥ 800	76.6	79.2	80.3	81.0	82.5	82.8	83.5	84.4	84.5	85.2	85.9	86.0	86.9	87.6	88.3	89.2
≥ 700	76.7	79.8	81.1	81.7	83.2	83.5	84.3	85.3	85.4	86.0	86.9	87.0	88.0	88.7	89.5	90.4
≥ 600	76.7	79.8	81.1	81.7	83.3	83.7	84.4	85.5	85.6	86.2	87.2	87.3	88.5	89.2	90.0	91.1
≥ 500	76.7	80.0	81.5	82.2	83.9	84.2	84.9	86.0	86.1	86.9	88.1	88.3	89.6	90.4	91.4	92.5
≥ 400	76.9	81.1	82.8	83.5	85.4	85.8	86.6	87.8	88.1	88.9	90.2	90.4	92.3	93.1	94.1	95.3
≥ 300	77.0	81.3	83.2	84.0	85.8	86.3	87.3	88.7	89.0	89.9	91.2	91.4	93.3	94.4	95.6	97.5
≥ 200	77.1	81.4	83.3	84.1	85.9	86.5	87.4	89.0	89.4	90.3	91.7	92.0	94.1	95.3	96.8	99.5
≥ 100	77.1	81.4	83.3	84.1	85.9	86.5	87.5	89.2	89.6	90.5	91.9	92.3	94.3	95.5	97.0	100.0
≥ 0	77.1	81.4	83.3	84.1	85.9	86.5	87.5	89.2	89.6	90.5	91.9	92.3	94.3	95.5	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70720 ELMENDORF AFB AK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET		VISIBILITY STATUTE MILES															
		≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO FLYING	20000	32.5	34.1	34.2	34.4	34.5	34.6	34.6	34.7	34.8	35.3	35.5	35.5	36.0	36.0	36.2	36.7
2	18000	35.6	37.2	37.3	37.5	37.6	37.7	37.7	37.8	38.0	38.4	38.6	38.6	39.1	39.1	39.7	40.3
2	16000	37.7	39.4	39.5	39.7	39.8	39.9	39.9	40.0	40.1	40.5	40.8	40.8	41.3	41.3	41.8	42.5
2	14000	38.1	39.7	39.8	40.0	40.1	40.2	40.2	40.3	40.4	40.9	41.1	41.1	41.6	41.6	42.2	42.8
2	12000	39.5	41.1	41.2	41.4	41.6	41.7	41.7	41.8	41.9	42.4	42.6	42.6	43.1	43.1	43.7	44.3
2	10000	41.5	43.1	43.2	43.4	43.7	43.8	43.8	43.9	44.0	44.4	44.6	44.6	45.2	45.2	45.7	46.3
2	8000	45.8	47.4	47.5	47.7	48.0	48.1	48.1	48.2	48.3	48.7	48.9	48.9	49.5	49.5	50.0	50.6
2	6000	48.5	50.1	50.2	50.4	50.6	50.8	50.8	50.9	51.0	51.4	51.6	51.6	52.2	52.2	52.7	53.3
2	4000	55.4	57.0	57.6	57.8	58.2	58.3	58.3	58.4	58.5	58.9	59.1	59.1	59.7	59.7	60.2	60.9
2	2000	58.7	60.4	61.1	61.3	61.6	61.7	61.7	61.8	61.9	62.4	62.6	62.6	63.1	63.1	63.7	64.3
2	1000	63.7	65.8	66.5	66.7	67.1	67.2	67.3	67.5	67.6	68.1	68.3	68.3	68.8	68.8	69.4	70.0
2	500	68.1	70.4	71.1	71.3	71.7	71.8	71.9	72.3	72.4	72.8	73.0	73.0	73.5	73.5	74.1	74.7
2	400	73.1	75.5	76.1	76.3	76.8	76.9	77.0	77.3	77.4	77.8	78.1	78.1	78.6	78.6	79.1	79.8
2	300	75.8	78.5	79.4	79.6	80.0	80.1	80.2	80.5	80.6	81.1	81.3	81.3	81.8	81.8	82.4	83.0
2	250	77.0	79.8	80.6	80.9	81.3	81.4	81.6	81.9	82.0	82.5	82.7	82.7	83.2	83.2	83.8	84.4
2	200	78.4	81.7	82.6	82.9	83.3	83.4	83.7	84.0	84.1	84.5	84.7	84.7	85.3	85.3	85.8	86.5
2	1500	79.8	83.3	84.4	84.7	85.5	85.6	85.8	86.1	86.2	86.7	86.9	86.9	87.4	87.4	88.0	88.6
2	1000	80.6	84.4	85.6	86.0	86.8	86.9	87.1	87.5	87.6	88.1	88.3	88.3	88.8	88.8	89.4	90.0
2	800	80.6	84.4	85.6	86.0	86.8	86.9	87.1	87.5	87.6	88.1	88.3	88.3	88.8	88.8	89.4	90.0
2	600	80.6	84.4	85.6	86.0	86.8	86.9	87.1	87.5	87.6	88.1	88.3	88.3	88.8	88.8	89.4	90.0
2	400	81.1	85.3	86.7	87.1	87.8	88.0	88.3	88.9	89.1	89.6	89.9	89.9	90.5	90.5	91.2	91.8
2	200	81.2	85.5	86.9	87.5	88.3	88.4	88.7	89.5	89.7	90.1	90.4	90.4	91.2	91.2	91.8	92.5
2	1000	81.2	85.6	87.0	87.6	88.4	88.5	88.8	89.6	89.8	90.2	90.5	90.5	91.3	91.3	91.9	92.6
2	800	81.3	85.7	87.1	87.7	88.5	88.6	88.9	89.7	89.9	90.3	90.6	90.6	91.5	91.5	92.2	92.8
2	600	81.3	85.7	87.1	87.7	88.6	88.7	89.0	89.8	90.0	90.4	90.9	90.9	91.7	91.8	92.7	93.3
2	400	81.4	85.8	87.2	87.8	88.8	88.9	89.2	90.2	90.6	91.2	91.7	91.7	92.6	92.7	93.5	94.2
2	300	81.4	86.0	87.4	88.1	89.2	89.4	89.7	90.8	91.2	91.8	92.4	92.4	93.2	93.3	94.2	94.8
2	200	81.5	86.2	87.6	88.5	89.7	89.8	90.2	91.5	91.9	92.7	93.3	93.3	94.2	94.3	95.3	96.0
2	1000	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.5	92.9	93.7	94.5	94.5	95.9	96.0	97.2	98.1
2	800	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	99.6
2	600	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	400	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	300	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	200	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	1000	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	800	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	600	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	400	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	300	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	200	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	1000	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	800	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	600	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	400	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	300	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	200	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	1000	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	800	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	600	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	400	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	300	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	200	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	1000	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	800	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	600	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	400	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	300	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	200	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	1000	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	800	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	600	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	400	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	300	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	200	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	1000	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	800	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	600	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	400	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	300	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	200	81.5	86.3	87.7	88.7	90.0	90.2	90.8	92.7	93.4	94.3	95.3	95.3	96.7	96.8	98.5	100.0
2	1000	81.5	86.3	87.7													

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A11 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2700 ELMENTORF AFB AK

73-82

145

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1530-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	34.7	35.3	35.3	35.4	35.7	35.7	35.7	35.9	35.9	36.1	36.8	36.8	37.0	37.1	37.6	37.7
≥ 18000	37.2	38.5	38.5	38.6	38.9	38.9	38.9	39.1	39.1	39.5	40.2	40.2	40.4	40.6	41.2	41.4
≥ 16000	38.4	39.7	39.7	39.8	40.1	40.1	40.1	40.3	40.3	40.6	41.5	41.5	41.7	41.9	42.5	42.9
≥ 14000	39.2	40.5	40.5	40.6	41.0	41.0	41.0	41.2	41.2	41.5	42.4	42.4	42.6	42.8	43.3	43.8
≥ 12000	40.1	41.6	41.6	41.7	42.0	42.0	42.0	42.3	42.3	42.6	43.4	43.4	43.7	43.9	44.4	44.8
≥ 10000	41.8	43.3	43.3	43.4	43.9	43.9	43.9	44.1	44.1	44.4	45.3	45.3	45.5	45.7	46.2	46.7
≥ 9000	46.5	48.1	48.1	48.2	49.6	48.6	48.6	48.8	48.8	49.1	50.0	50.0	50.2	50.4	51.0	51.4
≥ 8000	48.2	49.8	49.8	49.9	50.3	50.3	50.3	50.5	50.5	50.9	51.7	51.7	51.9	52.2	52.7	53.1
≥ 7000	54.7	56.5	56.6	56.7	57.1	57.1	57.1	57.4	57.4	57.7	58.6	58.6	58.8	59.0	59.6	60.0
≥ 6000	60.5	62.3	62.4	62.5	62.9	62.9	62.9	63.2	63.2	63.5	64.4	64.4	64.6	64.8	65.4	65.8
≥ 5000	65.9	67.6	67.8	68.0	68.4	68.4	68.4	68.5	68.9	68.9	69.2	70.1	70.1	70.3	70.5	71.1
≥ 4500	71.9	73.8	74.0	74.1	74.5	74.5	74.5	74.6	75.1	75.1	75.4	76.2	76.2	76.5	76.7	77.2
≥ 4000	76.2	78.2	78.4	78.7	79.1	79.1	79.1	79.2	79.7	79.7	80.0	80.9	80.9	81.1	81.3	81.8
≥ 3500	79.3	81.3	81.6	82.0	82.5	82.5	82.5	82.6	83.0	83.0	83.3	84.2	84.2	84.5	84.7	85.3
≥ 3000	80.1	82.6	83.0	83.5	84.0	84.0	84.1	84.6	84.6	84.9	85.8	85.8	86.1	86.3	86.9	87.3
≥ 2500	80.9	83.9	84.5	85.1	85.5	85.6	85.7	86.2	86.2	86.6	87.4	87.4	87.7	88.0	88.5	88.9
≥ 2000	81.5	84.7	85.6	86.2	86.9	87.0	87.3	88.2	88.2	88.5	89.4	89.4	89.7	89.9	90.4	90.9
≥ 1800	81.6	84.8	85.8	86.5	87.1	87.2	87.5	88.5	88.5	88.8	89.7	89.7	90.0	90.2	90.8	91.2
≥ 1600	81.9	85.2	86.2	86.9	87.6	87.7	88.1	89.4	89.4	89.8	90.6	90.6	91.1	91.3	91.8	92.3
≥ 1400	82.0	85.3	86.3	87.0	87.7	87.8	88.2	89.7	89.7	90.1	91.0	91.0	91.4	91.6	92.2	92.6
≥ 1200	82.3	85.5	86.7	87.3	88.1	88.2	88.7	90.3	90.4	90.8	91.7	91.7	92.2	92.4	92.9	93.3
≥ 1000	82.4	85.7	86.9	87.5	88.3	88.5	89.1	90.6	90.8	91.1	92.0	92.0	92.5	92.7	93.2	93.7
≥ 900	82.4	86.0	87.2	87.8	88.6	88.8	89.4	91.0	91.1	91.4	92.4	92.4	92.8	93.0	93.5	94.0
≥ 800	82.4	86.0	87.3	88.0	88.7	88.9	89.5	91.1	91.2	91.7	92.7	92.7	93.1	93.3	93.9	94.3
≥ 700	82.4	86.0	87.3	88.0	88.8	89.0	89.6	91.2	91.3	91.8	92.9	92.9	93.3	93.5	94.2	94.6
≥ 600	82.4	86.0	87.3	88.0	88.8	89.0	89.7	91.3	91.5	92.2	93.2	93.2	93.7	93.9	94.6	95.1
≥ 500	82.5	86.3	87.7	88.5	89.2	89.7	90.3	91.9	92.2	93.0	94.1	94.1	94.5	94.7	95.6	96.1
≥ 400	82.5	86.6	88.0	88.8	89.6	90.3	91.1	93.1	93.3	94.2	95.4	95.4	96.0	96.2	97.2	97.8
≥ 300	82.5	86.7	88.1	88.9	89.9	90.4	91.2	93.2	93.7	94.6	96.0	96.0	97.0	97.3	98.5	99.6
≥ 200	82.5	86.7	88.1	88.9	89.9	90.4	91.2	93.2	93.7	94.6	96.0	96.0	97.1	97.4	98.7	99.8
≥ 100	82.5	86.7	88.1	88.9	89.9	90.4	91.2	93.2	93.7	94.6	96.0	96.0	97.1	97.4	98.7	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO. CEILING	33.1	35.6	36.2	36.5	36.8	36.9	37.1	37.4	37.4	37.7	37.8	38.2	38.6	38.9	39.5	39.6
≥ 20000	34.6	37.1	37.7	38.0	38.3	38.5	38.7	39.0	39.2	39.6	39.7	40.0	40.4	40.8	41.3	41.6
≥ 18000	35.6	38.4	39.0	39.2	39.6	39.8	40.0	40.3	40.5	40.9	41.0	41.3	41.7	42.0	42.6	42.9
≥ 16000	35.9	38.7	39.4	39.6	39.9	40.1	40.3	40.6	40.9	41.2	41.3	41.6	42.0	42.4	42.9	43.2
≥ 14000	36.0	38.8	39.5	39.7	40.0	40.2	40.4	40.8	41.0	41.3	41.4	41.7	42.2	42.5	43.0	43.3
≥ 12000	38.1	40.9	41.5	41.7	42.0	42.3	42.5	42.8	43.0	43.3	43.4	43.8	44.2	44.5	45.1	45.4
≥ 10000	41.1	43.9	44.5	44.7	45.1	45.3	45.6	45.9	46.1	46.5	46.6	46.9	47.3	47.6	48.2	48.5
≥ 9000	42.2	44.9	45.6	45.8	46.1	46.3	46.7	47.0	47.2	47.5	47.6	48.0	48.4	48.7	49.2	49.6
≥ 8000	49.5	52.3	52.9	53.1	53.4	53.7	54.0	54.3	54.5	54.8	55.1	55.4	55.8	56.1	56.7	57.0
≥ 7000	54.6	57.7	58.4	58.6	58.9	59.1	59.5	59.8	60.0	60.3	60.5	60.9	61.3	61.6	62.2	62.5
≥ 6000	56.8	62.0	62.7	62.9	63.2	63.4	63.8	64.1	64.3	64.6	64.8	65.2	65.6	65.9	66.5	66.8
≥ 5000	55.7	69.1	69.8	70.0	70.3	70.5	70.9	71.2	71.4	71.8	72.0	72.4	72.8	73.1	73.7	74.0
≥ 4500	69.5	72.9	73.5	73.8	74.1	74.3	74.6	74.9	75.2	75.6	75.8	76.1	76.6	76.9	77.4	77.7
≥ 4000	73.3	77.3	78.0	78.2	78.5	78.7	79.0	79.4	79.6	80.1	80.3	80.6	81.2	81.5	82.0	82.4
≥ 3500	75.4	79.8	80.4	80.6	81.0	81.2	81.5	81.8	82.0	82.6	82.8	83.1	83.7	84.0	84.5	84.8
≥ 3000	77.2	81.6	82.3	82.5	82.9	83.1	83.4	83.8	84.0	84.5	84.7	85.1	85.6	85.9	86.5	86.8
≥ 2500	78.1	82.7	83.3	83.5	84.0	84.2	84.5	84.8	85.1	85.6	85.8	86.1	86.7	87.0	87.5	87.8
≥ 2000	79.1	84.2	85.2	85.5	86.0	86.3	86.8	87.4	87.6	88.2	88.4	88.7	89.2	89.6	90.1	90.4
≥ 1800	79.2	84.4	85.4	85.7	86.3	86.7	87.1	87.7	88.0	88.5	88.7	89.0	89.6	89.9	90.4	90.8
≥ 1500	79.7	85.3	86.2	86.7	87.6	88.0	88.6	89.2	89.5	90.0	90.2	90.5	91.1	91.4	91.9	92.3
≥ 1200	79.7	85.4	86.3	86.8	87.7	88.1	88.7	89.5	89.7	90.2	90.4	90.8	91.3	91.6	92.2	92.5
≥ 1000	79.9	85.6	86.6	87.0	88.0	88.3	89.0	90.0	90.2	90.8	91.0	91.3	91.8	92.2	92.7	93.0
≥ 900	79.9	85.8	86.9	87.3	88.5	88.8	89.6	90.5	90.9	91.4	91.6	91.9	92.5	92.8	93.3	93.7
≥ 800	79.9	85.8	87.0	87.4	88.8	89.1	89.9	90.9	91.2	91.7	91.9	92.3	92.8	93.1	93.7	94.0
≥ 700	79.9	86.0	87.2	87.6	89.0	89.4	90.2	91.2	91.5	92.0	92.3	92.6	93.1	93.4	94.0	94.3
≥ 600	80.3	86.9	88.1	88.6	90.1	90.4	91.3	92.3	92.6	93.2	93.7	94.0	94.5	94.8	95.4	95.7
≥ 500	80.5	87.2	88.5	89.0	90.5	90.9	91.8	92.9	93.2	93.9	94.4	94.7	95.3	95.7	96.2	96.6
≥ 400	80.5	87.5	88.8	89.4	90.9	91.2	92.4	93.4	93.8	94.4	94.9	95.3	95.9	96.3	96.9	97.3
≥ 300	80.9	87.8	89.1	89.7	91.3	91.6	93.0	94.3	94.6	95.5	96.1	96.5	97.2	97.6	98.2	98.7
≥ 200	80.9	87.8	89.1	89.8	91.6	91.9	93.4	94.8	95.2	96.2	96.9	97.2	98.1	98.5	99.2	99.9
≥ 100	80.9	87.8	89.1	89.8	91.6	91.9	93.4	94.8	95.2	96.2	96.9	97.2	98.1	98.5	99.2	99.9
≥ 0	80.9	87.8	89.1	89.8	91.6	91.9	93.4	94.8	95.2	96.2	96.9	97.2	98.1	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 ELMENDORF AFB AK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	32.5	35.3	36.1	36.1	36.5	36.6	36.8	37.2	37.5	37.7	38.2	38.2	38.8	39.1	39.5	39.8
≥18000	33.4	36.2	37.1	37.1	37.4	37.5	37.7	38.2	38.5	38.7	39.1	39.1	39.8	40.1	40.4	40.9
≥16000	34.5	37.3	38.2	38.2	38.5	38.6	38.8	39.2	39.6	39.8	40.2	40.2	40.9	41.2	41.5	41.9
≥14000	34.9	37.7	38.6	38.6	38.9	39.0	39.2	39.7	40.0	40.2	40.6	40.6	41.3	41.6	41.9	42.4
≥12000	35.5	38.3	39.1	39.1	39.5	39.6	39.8	40.2	40.5	40.8	41.2	41.2	41.9	42.2	42.5	42.9
≥10000	36.3	39.6	40.4	40.4	40.8	40.9	41.1	41.5	41.8	42.0	42.5	42.5	43.1	43.4	43.8	44.2
≥8000	39.6	42.4	43.2	43.2	43.5	43.7	43.9	44.3	44.6	44.8	45.3	45.3	45.9	46.2	46.6	47.0
≥6000	41.0	43.8	44.6	44.6	44.9	45.1	45.3	45.7	46.0	46.2	46.7	46.7	47.3	47.6	48.0	48.4
≥4000	46.6	49.7	50.5	50.5	50.9	51.0	51.2	51.6	51.9	52.2	52.6	52.6	53.3	53.7	54.1	54.4
≥2000	52.8	55.9	56.8	56.8	57.1	57.2	57.4	57.8	58.2	58.4	58.8	58.8	59.7	60.0	60.3	60.8
≥1000	58.6	61.7	62.6	62.6	62.9	63.0	63.2	63.7	64.0	64.2	64.6	64.6	65.5	65.8	66.1	66.6
≥500	63.3	66.8	67.6	67.6	68.0	68.1	68.3	68.7	69.0	69.2	69.8	69.8	70.8	71.1	71.4	71.8
≥300	67.2	70.9	71.8	71.8	72.2	72.3	72.5	72.9	73.2	73.4	74.0	74.1	74.9	75.3	75.6	76.0
≥200	69.5	73.3	74.4	74.4	74.7	74.8	75.1	75.5	75.8	76.0	76.7	76.8	77.6	78.0	78.3	78.7
≥100	71.1	74.9	76.0	76.0	76.3	76.5	76.7	77.1	77.4	77.6	78.3	78.4	79.2	79.6	79.9	80.3
≥50	71.6	75.8	77.0	77.0	77.5	77.6	77.8	78.3	78.6	78.8	79.5	79.6	80.4	80.8	81.1	81.5
≥25	73.2	77.5	79.1	79.1	79.7	79.8	80.0	80.4	80.8	81.0	81.6	81.7	82.6	82.9	83.2	83.7
≥15	74.3	79.5	81.3	81.3	82.2	82.3	82.6	83.0	83.3	83.5	84.2	84.3	85.2	85.5	85.8	86.2
≥10	74.5	79.9	81.7	82.2	82.8	82.9	83.2	83.7	84.0	84.2	84.8	84.9	85.8	86.1	86.5	86.9
≥5	75.4	81.9	83.9	84.3	85.2	85.3	85.7	86.3	86.7	86.9	87.5	87.6	88.5	88.8	89.1	89.6
≥2	76.0	82.4	84.3	84.7	85.7	85.8	86.2	87.0	87.4	87.6	88.3	88.4	89.2	89.6	89.9	90.3
≥1	76.3	82.8	84.8	85.4	86.3	86.5	86.9	87.6	88.1	88.4	89.0	89.1	90.0	90.3	90.6	91.1
≥0.5	76.6	83.2	85.4	85.9	87.0	87.1	87.5	88.3	88.7	89.1	89.8	89.9	90.8	91.1	91.4	91.8
≥0.2	76.8	83.4	85.7	86.2	87.3	87.4	87.8	88.7	89.1	89.6	90.2	90.3	91.2	91.5	91.8	92.3
≥0.1	76.8	83.4	85.7	86.2	87.3	87.4	87.8	88.8	89.2	89.7	90.3	90.5	91.5	91.8	92.2	92.6
≥0.05	77.0	83.7	86.0	86.7	88.0	88.1	88.5	89.4	89.8	90.2	90.9	91.1	92.0	92.5	92.8	93.2
≥0.02	77.3	84.3	86.7	87.3	88.6	88.7	89.2	90.1	90.5	91.0	91.7	91.9	92.9	93.3	93.7	94.1
≥0.01	77.3	84.9	87.5	88.4	89.8	89.9	90.5	91.4	91.8	92.4	93.1	93.3	94.3	94.7	95.1	95.6
≥0.005	77.6	85.3	87.8	89.0	90.4	90.5	91.2	92.4	92.9	93.7	94.6	94.8	95.9	96.6	97.0	97.5
≥0.002	77.7	85.4	88.1	89.2	90.6	90.8	91.5	92.8	93.3	94.1	95.1	95.3	96.6	97.4	98.1	98.8
≥0.001	77.7	85.7	88.5	89.7	91.1	91.2	91.9	93.2	93.8	94.5	95.5	95.7	97.0	97.8	98.6	99.8
≥0.0005	77.7	85.7	88.5	89.7	91.1	91.2	91.9	93.2	93.8	94.5	95.5	95.7	97.0	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.1	33.8	34.2	34.4	34.7	34.8	34.9	35.1	35.2	35.5	35.9	35.9	36.5	36.8	37.2	37.7
≥20000	33.7	35.8	36.2	36.4	36.7	36.8	36.9	37.1	37.3	37.6	38.0	38.0	38.5	38.9	39.4	39.9
≥18000	34.9	37.0	37.4	37.6	37.9	38.0	38.1	38.3	38.5	38.8	39.2	39.2	39.8	40.1	40.6	41.2
≥16000	35.2	37.3	37.7	37.9	38.2	38.3	38.4	38.6	38.8	39.0	39.4	39.5	40.0	40.4	40.9	41.5
≥14000	35.9	37.9	38.4	38.6	38.9	39.0	39.1	39.3	39.4	39.7	40.1	40.2	40.7	41.1	41.6	42.2
≥12000	37.4	39.6	40.0	40.2	40.5	40.6	40.7	41.0	41.1	41.4	41.8	41.9	42.4	42.7	43.2	43.8
≥10000	41.0	43.2	43.7	43.8	44.2	44.2	44.4	44.6	44.8	45.1	45.5	45.5	46.1	46.4	46.9	47.5
≥9000	42.8	45.0	45.4	45.6	45.9	46.0	46.2	46.4	46.5	46.8	47.2	47.3	47.8	48.2	48.6	49.2
≥8000	49.0	51.2	51.7	51.9	52.3	52.4	52.5	52.8	52.9	53.2	53.6	53.7	54.2	54.6	55.0	55.6
≥7000	54.0	56.3	56.9	57.1	57.4	57.5	57.6	57.9	58.0	58.3	58.7	58.8	59.4	59.7	60.2	60.8
≥6000	59.7	61.3	61.8	62.0	62.4	62.5	62.7	63.0	63.1	63.4	63.8	63.9	64.5	64.8	65.3	65.9
≥5000	63.9	66.7	67.2	67.4	67.8	67.9	68.1	68.4	68.5	68.9	69.3	69.4	70.0	70.3	70.8	71.4
≥4500	68.6	71.5	72.0	72.3	72.7	72.8	73.0	73.3	73.4	73.8	74.2	74.3	74.9	75.2	75.7	76.3
≥4000	71.9	75.0	75.6	75.9	76.3	76.4	76.6	76.9	77.1	77.4	77.9	78.0	78.5	78.9	79.4	80.0
≥3500	73.2	76.5	77.2	77.5	77.8	77.9	78.2	78.5	78.6	79.0	79.4	79.5	80.1	80.5	80.9	81.5
≥3000	74.5	78.1	78.9	79.3	79.7	79.8	80.1	80.4	80.6	80.9	81.3	81.5	82.0	82.4	82.9	83.5
≥2500	75.5	79.3	80.3	80.7	81.2	81.3	81.6	81.9	82.1	82.4	82.8	83.0	83.5	83.9	84.4	85.0
≥2000	76.5	80.7	81.9	82.5	83.1	83.2	83.5	84.0	84.1	84.5	85.0	85.1	85.7	86.0	86.5	87.1
≥1800	76.6	81.0	82.2	82.8	83.5	83.6	84.0	84.4	84.6	84.9	85.4	85.5	86.1	86.5	87.0	87.6
≥1600	77.0	81.8	83.1	83.8	84.6	84.8	85.2	85.8	86.0	86.3	86.8	86.9	87.6	87.9	88.4	89.0
≥1400	77.2	82.2	83.5	84.1	85.0	85.2	85.7	86.4	86.6	87.0	87.5	87.6	88.2	88.5	89.1	89.7
≥1200	77.4	82.6	84.0	84.7	85.6	85.8	86.3	87.2	87.4	87.8	88.3	88.4	89.0	89.4	89.9	90.5
≥1000	77.5	82.7	84.1	84.8	85.8	86.1	86.6	87.5	87.7	88.1	88.7	88.8	89.4	89.8	90.3	90.9
≥900	77.6	82.9	84.4	85.1	86.1	86.3	86.9	87.8	88.1	88.5	89.1	89.2	89.8	90.2	90.7	91.3
≥800	77.7	83.2	84.7	85.4	86.5	86.7	87.4	88.3	88.6	89.0	89.6	89.8	90.4	90.8	91.4	92.0
≥700	77.9	83.5	85.0	85.8	86.9	87.2	87.9	88.9	89.2	89.7	90.4	90.5	91.2	91.6	92.2	92.8
≥600	78.1	83.9	85.6	86.3	87.6	87.8	88.6	89.6	89.9	90.6	91.3	91.5	92.2	92.6	93.3	94.0
≥500	78.2	84.4	86.2	87.0	88.3	88.6	89.5	90.6	90.9	91.6	92.4	92.6	93.5	94.0	94.7	95.6
≥400	78.5	84.7	86.6	87.5	88.9	89.3	90.3	91.6	92.0	92.8	93.8	94.0	95.1	95.6	96.5	97.5
≥300	78.5	84.8	86.7	87.7	89.1	89.5	90.5	91.9	92.4	93.3	94.4	94.6	95.9	96.6	97.8	99.1
≥200	78.5	84.9	86.8	87.8	89.2	89.6	90.6	92.1	92.6	93.5	94.6	94.9	96.2	96.8	98.1	99.8
≥100	78.5	84.9	86.8	87.8	89.2	89.6	90.6	92.1	92.6	93.5	94.6	94.9	96.2	96.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7720 ELMENDORF AFB AK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	44.6	46.1	46.8	46.9	47.0	47.0	47.2	47.5	47.5	48.1	48.2	48.3	48.6	48.6	49.4	49.6
≥20000	44.7	46.5	47.2	47.3	47.4	47.4	47.5	47.9	47.9	48.5	48.6	48.7	48.9	48.9	49.8	50.1
≥18000	45.4	47.2	47.9	48.0	48.1	48.1	48.2	48.6	48.6	49.2	49.3	49.4	49.6	49.6	50.5	50.8
≥16000	45.4	47.2	47.9	48.0	48.1	48.1	48.2	48.6	48.6	49.2	49.3	49.4	49.6	49.6	50.5	50.8
≥14000	45.5	47.3	48.0	48.1	48.2	48.2	48.3	48.7	48.7	49.3	49.4	49.5	49.8	49.8	50.6	50.9
≥12000	47.2	48.9	49.6	49.8	49.9	49.9	50.0	50.4	50.4	50.9	51.1	51.2	51.4	51.4	52.2	52.6
≥10000	49.9	51.8	52.5	52.6	52.7	52.7	52.8	53.2	53.2	53.8	53.9	54.0	54.3	54.3	55.1	55.4
≥8000	52.0	53.9	54.6	54.7	54.8	54.8	55.0	55.3	55.3	55.9	56.0	56.1	56.5	56.5	57.3	57.7
≥6000	57.6	59.6	60.3	60.5	60.6	60.6	60.8	61.1	61.1	61.7	61.8	61.9	62.3	62.3	63.1	63.5
≥4000	63.1	65.1	65.8	66.1	66.3	66.3	66.4	66.8	66.8	67.4	67.5	67.6	68.0	68.0	68.8	69.1
≥2000	66.5	68.6	69.3	69.5	69.7	69.7	69.9	70.2	70.2	70.8	70.9	71.0	71.4	71.4	72.2	72.6
≥1000	70.2	72.6	73.3	73.5	73.8	73.8	73.9	74.2	74.2	74.8	74.9	75.1	75.4	75.4	76.4	76.7
≥500	73.0	75.5	76.2	76.5	76.7	76.7	76.8	77.2	77.2	77.8	77.9	78.0	78.4	78.4	79.3	79.7
≥250	76.1	79.2	79.9	80.1	80.4	80.4	80.5	80.9	80.9	81.4	81.4	81.6	81.7	82.0	83.0	83.3
≥150	77.0	80.6	81.4	81.7	81.9	81.9	82.0	82.4	82.4	83.0	83.1	83.2	83.6	83.6	84.5	84.9
≥100	78.5	82.5	83.5	83.7	83.9	83.9	84.0	84.4	84.4	85.0	85.1	85.2	85.6	85.6	86.5	86.9
≥75	79.2	84.2	85.2	85.5	85.8	85.8	85.9	86.4	86.4	87.0	87.1	87.2	87.6	87.6	88.5	88.9
≥50	79.8	85.2	86.3	86.6	87.2	87.2	87.4	87.8	87.8	88.4	88.5	88.7	89.2	89.2	90.2	90.5
≥25	79.9	85.3	86.6	87.4	88.1	88.1	88.2	88.7	88.7	89.2	89.4	89.5	90.1	90.1	91.0	91.4
≥15	79.9	85.7	87.1	87.8	88.8	89.0	89.1	89.6	89.6	90.2	90.3	90.5	91.1	91.1	92.1	92.4
≥10	79.9	86.2	87.6	88.3	89.5	89.8	90.2	90.7	90.9	91.5	91.6	92.0	92.6	92.6	93.5	93.9
≥7.5	80.3	86.8	88.3	89.1	90.4	90.8	91.3	91.8	92.1	92.7	92.9	93.3	94.0	94.0	94.9	95.3
≥5	80.3	86.8	88.3	89.1	90.5	90.9	91.5	92.1	92.6	93.1	93.4	93.7	94.4	94.4	95.4	95.7
≥2.5	80.3	86.9	88.5	89.4	90.8	91.1	91.8	92.6	93.0	93.7	94.1	94.4	95.2	95.2	96.1	96.5
≥1.5	80.3	86.9	88.5	89.4	90.8	91.1	91.8	92.7	93.1	94.0	94.4	94.8	95.5	95.5	96.5	96.8
≥1	80.3	86.9	88.5	89.5	90.9	91.3	92.1	92.9	93.5	94.3	94.9	95.3	96.0	96.0	97.0	97.4
≥0.75	80.4	87.0	88.7	89.7	91.1	91.6	92.4	93.3	93.9	94.9	95.5	95.9	96.8	97.0	98.1	98.6
≥0.5	80.4	87.1	88.9	90.0	91.4	91.8	92.7	93.9	94.4	95.5	96.1	96.6	97.6	98.0	99.2	99.6
≥0.25	80.4	87.1	88.9	90.0	91.4	91.8	92.7	93.9	94.4	95.5	96.2	96.7	97.8	98.1	99.5	100.0
≥0.1	80.4	87.1	88.9	90.0	91.4	91.8	92.7	93.9	94.4	95.5	96.2	96.7	97.8	98.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 886

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.72C

ELMENDORF AFB AK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO FLOOR	42.2	43.4	43.5	43.5	43.7	43.7	43.7	44.1	44.1	44.6	44.7	44.8	44.9	45.0	45.9	46.6
≥ 20000	43.0	44.6	44.7	44.7	44.9	44.9	44.9	45.3	45.3	45.7	45.9	46.0	46.1	46.2	47.0	47.8
≥ 18000	43.7	45.3	45.4	45.4	45.6	45.6	45.6	46.0	46.0	46.5	46.6	46.7	46.8	46.9	47.8	48.5
≥ 16000	43.9	45.4	45.5	45.5	45.7	45.7	45.7	46.1	46.1	46.6	46.7	46.8	46.9	47.0	47.9	48.6
≥ 14000	44.6	46.1	46.2	46.2	46.5	46.5	46.5	46.8	46.8	47.3	47.4	47.5	47.6	47.8	48.6	49.3
≥ 12000	47.0	48.9	49.1	49.1	49.3	49.3	49.3	49.6	49.6	50.1	50.2	50.4	50.5	50.6	51.4	52.1
≥ 10000	49.8	51.9	51.9	51.9	52.1	52.1	52.1	52.5	52.5	53.0	53.1	53.2	53.3	53.4	54.3	55.0
≥ 9000	51.7	53.8	53.9	53.9	54.1	54.1	54.1	54.5	54.5	55.0	55.1	55.2	55.3	55.4	56.3	57.0
≥ 8000	58.2	60.4	60.5	60.6	60.9	60.9	60.9	61.2	61.2	61.7	61.8	61.9	62.1	62.2	63.0	63.7
≥ 7500	62.6	64.9	65.0	65.1	65.4	65.4	65.4	65.7	65.7	66.2	66.3	66.4	66.5	66.7	67.5	68.2
≥ 6000	65.3	67.3	67.4	67.5	67.7	67.7	67.7	68.1	68.1	68.6	68.7	68.8	68.9	69.0	69.9	70.6
≥ 5000	68.6	70.8	70.9	71.3	71.6	71.6	71.6	72.0	72.0	72.5	72.6	72.7	72.8	72.9	73.8	74.5
≥ 4500	71.6	73.9	74.0	74.3	74.7	74.7	74.7	75.1	75.1	75.5	75.7	75.8	75.9	76.0	76.8	77.5
≥ 4000	74.8	77.2	77.3	77.7	78.0	78.0	78.0	78.4	78.4	78.8	79.0	79.1	79.2	79.3	80.1	80.9
≥ 3500	77.0	79.6	79.8	80.1	80.5	80.6	80.6	81.0	81.0	81.4	81.6	81.7	81.8	81.9	82.7	83.5
≥ 3000	78.4	81.2	81.4	81.9	82.3	82.4	82.5	82.9	83.0	83.5	83.6	83.7	83.8	83.9	84.8	85.5
≥ 2500	80.1	83.3	83.7	84.3	84.9	85.0	85.1	85.5	85.6	86.1	86.2	86.3	86.4	86.5	87.4	88.1
≥ 2000	81.1	84.8	85.2	85.9	86.8	86.9	87.1	87.5	87.6	88.1	88.2	88.3	88.4	88.5	89.4	90.1
≥ 1800	81.2	85.1	85.7	86.4	87.2	87.4	87.6	87.9	88.1	88.5	88.7	88.8	88.9	89.0	89.8	90.5
≥ 1600	81.3	85.2	86.1	87.0	87.9	88.2	88.4	88.8	88.9	89.4	89.5	89.6	89.7	89.8	90.7	91.4
≥ 1400	81.4	85.5	86.3	87.4	88.4	88.7	89.0	89.5	89.7	90.2	90.3	90.4	90.5	90.7	91.5	92.2
≥ 1200	81.4	85.8	86.8	87.8	89.2	89.6	90.0	90.7	91.0	91.6	91.8	92.0	92.1	92.2	93.0	93.7
≥ 900	81.6	85.9	86.9	87.9	89.4	89.7	90.1	90.8	91.1	91.7	92.0	92.1	92.2	92.3	93.1	93.9
≥ 800	81.7	86.1	87.1	88.2	89.6	90.1	90.4	91.5	91.8	92.4	92.8	92.9	93.0	93.1	94.0	94.7
≥ 700	81.7	86.1	87.1	88.3	89.7	90.2	90.5	91.6	92.0	92.7	93.6	93.7	93.9	94.0	94.8	95.5
≥ 600	81.7	86.1	87.1	88.3	89.7	90.2	90.7	91.7	92.2	93.0	94.3	94.4	94.6	94.7	95.5	96.2
≥ 500	81.8	86.3	87.4	88.5	91.0	90.5	91.0	92.1	92.6	93.5	94.8	95.0	95.2	95.3	96.1	96.9
≥ 400	81.8	86.8	88.2	89.4	90.8	91.4	91.8	93.0	93.6	94.6	96.0	96.2	96.3	96.6	97.5	98.3
≥ 300	81.8	86.9	88.4	89.6	91.0	91.6	92.1	93.5	94.1	95.0	96.5	96.7	96.8	97.0	98.0	99.2
≥ 200	81.8	86.9	88.4	89.7	91.1	91.7	92.2	93.6	94.2	95.2	96.6	96.8	96.9	97.2	98.3	99.6
≥ 100	81.8	86.9	88.4	89.8	91.3	91.8	92.3	93.7	94.3	95.3	96.7	96.9	97.0	97.3	98.5	100.0
≥ 0	81.8	86.9	88.4	89.8	91.3	91.8	92.3	93.7	94.3	95.3	96.7	96.9	97.0	97.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 856

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7:2720 ELMENDORF AFB AK

73-82

FFB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
≥20000	39.2	40.2	40.4	40.5	40.5	40.5	40.7	40.7	40.9	41.4	41.5	41.5	41.8	42.0	42.6	43.1
18000	41.1	42.2	42.4	42.6	42.6	42.6	42.7	42.7	42.9	43.4	43.5	43.5	43.9	44.0	44.6	45.2
16000	42.1	43.1	43.4	43.5	43.5	43.5	43.6	43.6	43.9	44.3	44.4	44.4	44.8	44.9	45.5	46.1
14000	42.1	43.1	43.4	43.5	43.5	43.5	43.6	43.6	43.9	44.3	44.4	44.4	44.8	44.9	45.5	46.1
12000	42.6	43.6	43.9	44.0	44.0	44.0	44.1	44.1	44.3	44.8	44.9	44.9	45.3	45.4	46.0	46.6
10000	46.0	47.2	47.4	47.5	47.5	47.5	47.6	47.6	47.9	48.3	48.5	48.5	48.8	48.9	49.5	50.1
8000	48.2	49.6	49.9	50.0	50.0	50.0	50.1	50.1	50.4	50.8	50.9	50.9	51.3	51.4	52.0	52.6
6000	50.2	51.7	51.9	52.0	52.0	52.0	52.1	52.1	52.4	52.8	53.0	53.0	53.3	53.4	54.0	54.6
4000	58.0	59.6	59.8	59.9	60.2	60.2	60.3	60.3	60.5	61.0	61.1	61.1	61.5	61.6	62.2	62.8
2000	63.9	65.5	65.7	65.8	66.1	66.1	66.2	66.2	66.4	66.9	67.0	67.0	67.4	67.5	68.1	68.7
1000	67.0	68.6	68.8	68.9	69.1	69.1	69.3	69.3	69.5	70.0	70.1	70.1	70.4	70.6	71.2	71.7
500	70.1	71.7	72.1	72.1	72.5	72.5	72.6	72.6	72.8	73.3	73.4	73.4	73.8	73.9	74.5	75.1
250	73.0	74.8	75.1	75.2	75.5	75.5	75.7	75.7	75.9	76.4	76.5	76.5	76.8	77.0	77.5	78.1
100	75.2	77.3	77.5	77.7	78.0	78.0	78.1	78.1	78.4	78.8	79.0	79.0	79.3	79.4	80.0	80.6
50	76.2	78.7	79.1	79.2	79.6	79.6	79.8	79.8	80.0	80.5	80.6	80.6	81.0	81.1	81.7	82.3
25	77.9	80.6	81.0	81.3	81.8	81.8	82.2	82.3	82.5	83.0	83.1	83.1	83.5	83.6	84.2	84.8
10	79.2	81.9	82.3	82.9	83.3	83.5	83.8	84.3	84.6	85.1	85.2	85.2	85.6	85.7	86.3	86.9
5	79.9	82.7	83.5	84.0	84.8	84.9	85.2	85.7	86.1	86.5	86.8	86.8	87.1	87.2	87.8	88.4
2	80.0	83.0	83.8	84.4	85.1	85.2	85.6	86.1	86.4	86.9	87.1	87.1	87.5	87.6	88.2	88.8
1	80.5	83.6	84.5	85.3	86.1	86.3	87.1	87.6	88.1	88.5	88.8	88.8	89.1	89.2	89.8	90.4
0.5	80.9	83.7	84.6	85.7	86.4	86.6	87.6	88.4	89.0	89.6	89.8	89.8	90.2	90.3	90.9	91.5
0.25	80.5	83.9	85.0	86.2	86.9	87.2	88.2	89.1	89.7	90.5	90.8	90.8	91.1	91.3	91.8	92.4
0.15	80.5	83.9	85.1	86.3	87.0	87.4	88.4	89.6	90.3	91.1	91.4	91.4	91.7	91.8	92.4	93.0
0.1	80.7	84.2	85.5	86.6	87.5	87.9	89.0	90.3	91.0	92.0	92.7	92.7	93.0	93.1	93.9	94.4
0.05	80.7	84.2	85.5	86.8	87.6	88.1	89.1	90.4	91.1	92.4	93.4	93.4	94.0	94.1	94.8	95.4
0.025	80.7	84.2	85.6	86.9	88.1	88.7	89.8	91.1	91.8	93.3	94.2	94.2	94.9	95.0	95.7	96.3
0.01	80.7	84.4	85.8	87.1	88.3	88.9	90.1	91.4	92.1	93.5	94.6	94.6	95.5	95.6	96.6	97.2
0.005	80.9	84.6	86.1	87.5	88.7	89.2	90.5	91.8	92.6	94.0	95.0	95.0	96.2	96.3	97.4	98.2
0.0025	80.9	84.6	86.1	87.5	88.7	89.2	90.7	92.0	92.7	94.1	95.2	95.2	96.5	96.7	98.0	99.3
0.001	80.9	84.6	86.1	87.5	88.7	89.2	90.7	92.0	92.7	94.1	95.2	95.2	96.6	96.8	98.3	100.0
0.0005	80.9	84.6	86.1	87.5	88.7	89.2	90.7	92.0	92.7	94.1	95.2	95.2	96.6	96.8	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 ELMENDORF AFB AK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
NO. CEILING	41.6	42.3	42.7	42.8	42.9	42.9	43.0	43.6	43.7	44.2	44.3	44.4	44.7	44.8	45.0	45.7
≥ 20000	43.5	44.2	44.7	44.8	44.9	44.9	45.0	45.6	45.7	46.2	46.3	46.5	46.7	46.8	47.0	47.8
≥ 18000	44.9	45.6	46.1	46.2	46.3	46.3	46.5	47.0	47.2	47.6	47.8	47.9	48.1	48.2	48.5	49.2
≥ 16000	45.2	46.0	46.5	46.6	46.7	46.7	46.8	47.4	47.5	48.0	48.1	48.2	48.5	48.6	48.8	49.5
≥ 14000	46.2	47.2	47.6	47.8	47.9	47.9	48.0	48.6	48.7	49.2	49.3	49.4	49.6	49.8	50.0	50.7
≥ 12000	47.5	48.5	48.9	49.1	49.2	49.2	49.3	49.9	50.0	50.5	50.6	50.7	50.9	51.1	51.3	52.0
≥ 10000	51.5	52.6	53.1	53.2	53.3	53.3	53.4	54.0	54.1	54.6	54.7	54.8	55.1	55.2	55.4	56.1
≥ 9000	53.0	54.0	54.5	54.6	54.7	54.7	54.8	55.4	55.6	56.0	56.1	56.3	56.5	56.6	56.9	57.6
≥ 8000	59.7	61.2	61.7	61.8	61.9	62.1	62.3	62.9	63.0	63.5	63.6	63.7	63.9	64.1	64.3	65.0
≥ 7000	66.4	68.0	68.4	68.6	68.7	68.8	69.0	69.6	69.7	70.2	70.3	70.4	70.7	70.8	71.0	71.7
≥ 6000	68.9	70.4	70.9	71.0	71.2	71.3	71.5	72.1	72.2	72.7	72.8	72.9	73.2	73.3	73.5	74.2
≥ 5000	72.6	74.5	74.9	75.1	75.2	75.3	75.5	76.1	76.2	76.7	76.8	77.0	77.3	77.4	77.8	78.5
≥ 4500	74.5	77.0	77.4	77.5	77.7	77.8	78.0	78.6	78.7	79.2	79.3	79.4	79.8	79.9	80.3	81.0
≥ 4000	76.0	78.7	79.2	79.3	79.6	79.8	80.0	80.6	80.7	81.2	81.3	81.4	81.8	81.9	82.3	83.0
≥ 3500	78.3	81.0	81.6	81.8	82.3	82.5	83.0	83.6	83.7	84.2	84.3	84.4	84.8	84.9	85.2	85.9
≥ 3000	78.7	81.7	82.3	82.5	83.1	83.6	84.0	84.6	84.9	85.3	85.5	85.6	85.9	86.1	86.4	87.1
≥ 2500	79.3	82.5	83.2	83.5	84.0	84.5	85.0	85.6	85.8	86.3	86.4	86.5	86.9	87.0	87.4	88.1
≥ 2000	80.0	83.2	84.0	84.4	85.1	85.6	86.2	86.9	87.1	87.6	87.7	87.8	88.2	88.4	88.8	89.5
≥ 1800	80.3	83.6	84.4	85.0	85.7	86.2	86.8	87.5	87.7	88.2	88.3	88.4	88.8	89.0	89.4	90.1
≥ 1500	80.7	84.2	85.0	85.6	86.3	86.9	87.7	88.5	88.8	89.2	89.7	89.8	90.4	90.7	91.0	91.7
≥ 1200	81.0	84.5	85.3	85.9	86.9	87.5	88.3	89.4	89.7	90.4	90.9	91.0	91.6	91.8	92.2	92.9
≥ 1000	81.7	84.6	85.5	86.2	87.1	87.7	88.8	90.0	90.3	91.0	91.7	92.1	92.7	92.9	93.3	94.0
≥ 900	81.7	84.6	85.5	86.2	87.1	87.7	88.9	90.2	90.5	91.4	92.1	92.4	93.0	93.3	93.6	94.3
≥ 800	81.0	84.8	85.6	86.4	87.4	87.9	89.4	90.7	91.0	91.8	92.6	93.0	93.6	93.9	94.2	94.9
≥ 700	81.0	84.8	85.6	86.4	87.5	88.1	89.6	90.9	91.3	92.1	92.8	93.4	94.0	94.2	94.6	95.3
≥ 600	81.0	84.8	85.6	86.4	87.6	88.3	90.0	91.3	91.6	92.6	93.4	94.2	94.9	95.3	95.6	96.3
≥ 500	81.3	85.2	86.1	86.9	88.2	89.0	90.7	92.1	92.4	93.5	94.3	95.2	96.2	96.6	96.9	97.6
≥ 400	81.3	85.2	86.1	87.0	88.3	89.1	90.9	92.4	92.8	94.1	94.9	95.7	96.8	97.3	97.6	98.3
≥ 300	81.3	85.2	86.1	87.0	88.3	89.1	90.9	92.4	92.8	94.2	95.0	96.0	97.2	97.6	98.0	98.7
≥ 200	81.3	85.2	86.1	87.0	88.3	89.1	90.9	92.4	92.9	94.3	95.2	96.1	97.3	97.8	98.2	99.6
≥ 100	81.3	85.2	86.1	87.0	88.3	89.1	90.9	92.4	92.9	94.3	95.2	96.1	97.3	97.8	98.2	100.0
≥ 0	81.3	85.2	86.1	87.0	88.3	89.1	90.9	92.4	92.9	94.3	95.2	96.1	97.3	97.8	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

FFP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	43.6	44.9	45.5	45.9	46.2	46.2	46.3	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.7	46.7
≥ 20000	46.4	47.9	48.5	48.8	49.3	49.3	49.4	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.9	49.9
≥ 18000	48.6	49.9	50.5	50.8	51.3	51.3	51.4	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.9	51.9
≥ 16000	48.8	50.1	50.7	51.1	51.5	51.5	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.1	52.1
≥ 14000	49.5	50.8	51.4	51.8	52.2	52.2	52.4	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8
≥ 12000	50.9	52.4	53.0	53.3	53.8	53.8	53.9	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.4	54.4
≥ 10000	54.7	56.1	56.7	57.1	57.6	57.6	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.2	58.2
≥ 9000	56.9	58.3	58.9	59.2	59.7	59.7	59.8	60.0	60.0	60.0	60.3	60.3	60.3	60.3	60.4	60.4
≥ 8000	63.7	65.4	66.0	66.3	66.8	66.8	66.9	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.5	67.5
≥ 7000	69.1	70.8	71.5	71.9	72.3	72.3	72.5	72.7	72.7	72.7	72.9	72.9	72.9	72.9	73.0	73.0
≥ 6000	72.5	74.2	74.9	75.3	75.8	75.8	75.9	76.1	76.1	76.1	76.4	76.4	76.4	76.4	76.5	76.5
≥ 5000	77.4	79.6	80.3	80.6	81.2	81.2	81.4	81.7	81.7	81.7	81.9	81.9	81.9	81.9	82.2	82.2
≥ 4500	79.7	81.9	82.7	83.2	83.8	83.9	84.2	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.9	84.9
≥ 4000	81.9	84.3	85.1	85.7	86.4	86.5	86.8	87.0	87.0	87.0	87.4	87.4	87.4	87.4	87.6	87.6
≥ 3500	82.5	85.0	85.9	86.5	87.5	87.6	87.8	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.7	88.7
≥ 3000	83.8	86.3	87.4	87.9	89.1	89.2	89.5	89.8	89.8	90.0	90.3	90.3	90.3	90.3	90.5	90.5
≥ 2500	84.5	87.0	88.1	88.8	90.0	90.2	90.4	90.8	90.8	91.0	91.4	91.4	91.4	91.4	91.6	91.6
≥ 2000	85.2	87.9	89.1	89.8	91.1	91.5	91.8	92.2	92.2	92.4	92.8	92.8	92.8	92.8	93.0	93.0
≥ 1800	85.3	88.1	89.2	90.0	91.5	91.8	92.3	92.7	92.7	92.9	93.3	93.3	93.3	93.3	93.5	93.5
≥ 1500	85.7	88.7	89.8	90.5	92.2	92.6	93.4	93.9	93.9	94.3	94.7	94.7	94.7	94.7	94.9	94.9
≥ 1200	86.1	89.0	90.2	90.9	92.7	93.0	93.9	94.4	94.6	95.2	95.6	95.6	95.6	95.6	95.9	95.9
≥ 1000	86.1	89.0	90.3	91.0	93.0	93.4	94.7	95.3	95.5	96.5	97.2	97.3	97.3	97.3	97.5	97.5
≥ 900	86.1	89.0	90.3	91.0	93.0	93.4	94.8	95.4	95.6	96.6	97.3	97.4	97.4	97.4	97.6	97.6
≥ 800	86.1	89.0	90.3	91.0	93.0	93.4	94.8	95.4	95.6	96.6	97.4	97.5	97.5	97.5	97.8	97.8
≥ 700	86.1	89.0	90.3	91.0	93.0	93.4	94.8	95.4	95.7	96.7	97.5	97.6	97.6	97.6	97.9	97.9
≥ 600	86.3	89.2	90.5	91.3	93.4	93.7	95.2	95.7	96.1	97.2	98.0	98.1	98.1	98.1	98.3	98.3
≥ 500	86.4	89.4	90.7	91.4	93.5	93.9	95.5	96.2	96.6	97.6	98.6	98.7	98.8	98.8	99.1	99.1
≥ 400	86.4	89.4	90.7	91.4	93.5	93.9	95.5	96.2	96.6	97.6	98.6	98.8	98.9	98.9	99.2	99.2
≥ 300	86.4	89.4	90.7	91.4	93.5	93.9	95.5	96.2	96.6	97.6	98.7	99.1	99.2	99.3	99.6	99.6
≥ 200	86.4	89.4	90.7	91.4	93.5	93.9	95.5	96.2	96.6	97.6	98.7	99.1	99.3	99.4	99.8	100.0
≥ 100	86.4	89.4	90.7	91.4	93.5	93.9	95.5	96.2	96.6	97.6	98.7	99.1	99.3	99.4	99.8	100.0
≥ 0	86.4	89.4	90.7	91.4	93.5	93.9	95.5	96.2	96.6	97.6	98.7	99.1	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

FE9

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	43.4	41.1	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	42.0	42.1
≥ 20000	43.6	44.3	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	45.2	45.4
18000	45.2	46.0	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.8	47.0
16000	45.2	46.0	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.8	47.0
14000	46.5	47.3	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	48.1	48.3
12000	47.4	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	51.1	51.3
10000	52.4	53.7	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.5	54.7
9000	54.7	55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.4	56.6
8000	61.1	61.9	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.8	63.0
7000	68.1	68.9	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.7	70.0
6000	71.2	72.0	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.9	73.2
5000	76.1	77.3	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.3	78.5
4500	78.5	79.7	80.0	80.0	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.9	81.1
4000	81.7	83.6	84.0	84.0	84.3	84.3	84.4	84.4	84.4	84.5	84.6	84.6	84.6	84.6	85.0	85.2
3500	82.9	84.9	85.6	85.6	85.8	85.8	86.1	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.8	87.0
3000	84.3	86.4	87.2	87.5	87.9	87.9	88.2	88.4	88.4	88.5	88.7	88.7	88.7	88.7	89.0	89.2
2500	85.5	88.2	89.0	89.2	90.0	90.2	90.4	90.7	90.7	90.8	90.9	90.9	90.9	90.9	91.3	91.5
2000	86.1	88.8	90.0	90.2	90.9	91.5	91.8	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.9	93.1
1800	86.2	88.9	90.1	90.3	91.0	91.6	92.0	92.4	92.4	92.6	92.7	92.7	92.7	92.7	93.0	93.3
1500	86.2	88.9	90.1	90.7	91.4	92.0	92.3	92.8	93.0	93.1	93.4	93.4	93.5	93.5	93.9	94.1
1200	86.2	88.9	90.1	90.7	91.5	92.2	92.9	93.5	93.7	94.2	94.4	94.4	94.6	94.6	94.9	95.2
1000	86.4	89.1	90.4	91.0	92.0	92.7	93.5	94.2	94.4	95.2	95.4	95.6	95.9	95.9	96.2	96.5
900	86.4	89.2	90.5	91.1	92.2	92.9	93.9	94.6	94.8	95.5	95.7	96.0	96.2	96.2	96.6	96.8
800	86.4	89.4	90.7	91.3	92.3	93.0	94.0	94.7	95.0	95.7	96.0	96.2	96.5	96.5	96.8	97.0
700	86.4	89.4	90.8	91.4	92.4	93.1	94.1	94.8	95.2	95.9	96.1	96.3	96.6	96.6	96.9	97.2
600	86.9	89.8	91.3	91.8	92.9	93.6	94.6	95.4	95.7	96.6	96.8	97.0	97.4	97.4	97.8	98.0
500	86.9	90.0	91.4	92.0	93.0	93.7	94.7	95.5	95.9	96.7	96.9	97.2	97.5	97.5	97.9	98.1
400	86.9	90.0	91.5	92.1	93.1	93.9	94.9	95.9	96.5	97.4	97.8	98.0	98.6	98.6	99.2	99.3
300	86.9	90.0	91.5	92.1	93.1	93.9	94.9	95.9	96.5	97.4	97.8	98.0	98.6	98.6	99.2	99.3
200	86.9	90.0	91.5	92.1	93.1	93.9	94.9	95.9	96.5	97.4	97.8	98.0	98.6	98.6	99.2	99.3
100	86.9	90.0	91.5	92.1	93.1	93.9	94.9	95.9	96.5	97.4	97.8	98.0	98.6	98.6	99.2	99.3
0	86.9	90.0	91.5	92.1	93.1	93.9	94.9	95.9	96.5	97.4	97.8	98.0	98.6	98.6	99.2	99.3

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF Weather Service/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

FFB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	42.2	42.9	43.0	43.0	43.1	43.3	43.4	43.4	43.4	43.4	43.4	43.5	43.6	43.7	44.1	44.1
≥20000	43.9	44.8	44.9	44.9	45.0	45.1	45.3	45.3	45.3	45.3	45.4	45.4	45.5	45.6	46.0	46.0
18000	45.2	46.1	46.2	46.2	46.3	46.5	46.6	46.6	46.6	46.6	46.7	46.8	46.9	47.3	47.3	48.0
16000	45.2	46.1	46.2	46.2	46.3	46.5	46.6	46.6	46.6	46.6	46.7	46.8	46.9	47.3	47.3	48.0
14000	45.6	46.7	46.8	46.8	46.9	47.0	47.2	47.2	47.2	47.2	47.3	47.4	47.5	47.9	47.9	48.6
12000	47.9	49.1	49.2	49.2	49.3	49.4	49.5	49.5	49.5	49.5	49.6	49.8	49.9	50.2	50.2	50.9
10000	52.3	53.3	53.4	53.4	53.5	53.7	53.8	53.8	53.8	53.8	53.9	54.0	54.1	54.5	54.5	55.2
9000	53.5	54.8	55.0	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.4	55.6	55.7	56.0	56.0	56.7
8000	59.2	60.6	60.8	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.3	61.5	61.8	61.8	62.5
7000	64.8	66.2	66.3	66.3	66.4	66.5	66.7	66.7	66.7	66.7	66.8	66.9	67.0	67.4	67.4	68.1
6000	68.6	70.1	70.2	70.2	70.3	70.4	70.6	70.6	70.6	70.6	70.7	70.8	70.9	71.3	71.3	72.0
5000	73.0	74.8	75.1	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.5	75.7	75.8	76.1	76.1	76.8
4500	76.1	77.9	78.3	78.3	78.4	78.6	78.7	78.7	78.7	78.7	78.8	79.0	79.1	79.4	79.4	80.1
4000	79.3	82.0	82.5	82.5	82.7	83.0	83.1	83.1	83.1	83.1	83.2	83.3	83.6	83.9	83.9	84.6
3500	80.4	83.2	83.9	84.0	84.5	84.8	84.9	84.9	84.9	84.9	85.0	85.1	85.5	85.8	85.8	86.5
3000	82.4	85.8	86.5	86.6	87.1	87.4	87.5	87.5	87.5	87.5	87.6	87.7	88.1	88.4	88.4	89.1
2500	83.3	87.6	88.4	88.7	89.5	89.8	90.0	90.0	90.1	90.1	90.2	90.3	90.7	91.0	91.0	91.7
2000	84.2	88.4	89.4	89.7	90.9	91.3	91.4	91.4	91.5	91.7	91.8	92.0	92.3	92.7	92.7	93.4
1800	84.3	88.5	89.5	89.8	91.0	91.5	91.6	91.8	92.0	92.2	92.3	92.4	92.8	93.1	93.1	93.9
1500	84.6	89.1	90.3	90.9	92.1	92.6	92.8	93.0	93.3	93.6	93.7	93.9	94.2	94.6	94.6	95.3
1200	84.6	89.1	90.3	91.1	92.3	92.8	93.0	93.4	93.6	94.2	94.6	94.7	95.0	95.4	95.4	96.1
1000	84.6	89.2	90.5	91.4	92.6	93.0	93.4	93.9	94.1	94.7	95.0	95.2	95.5	95.9	95.9	96.6
900	84.6	89.4	90.7	91.5	92.7	93.1	93.5	94.1	94.3	95.0	95.4	95.5	95.9	96.2	96.2	96.9
800	84.6	89.5	90.8	91.6	92.8	93.3	93.6	94.2	94.4	95.2	95.5	95.6	96.0	96.3	96.3	97.0
700	84.6	89.5	90.9	91.7	92.9	93.4	93.7	94.3	94.6	95.3	95.6	95.7	96.1	96.5	96.5	97.2
600	84.6	89.6	91.0	92.0	93.1	93.6	94.0	94.6	94.8	95.5	95.9	96.0	96.3	96.7	96.7	97.4
500	84.9	89.7	91.1	92.1	93.3	93.7	94.2	94.8	95.0	95.7	96.1	96.2	96.7	97.0	97.0	97.8
400	84.9	89.7	91.1	92.1	93.3	93.7	94.2	94.8	95.2	96.0	96.3	96.5	97.0	97.4	97.4	98.1
300	85.0	89.8	91.5	92.4	93.6	94.1	94.6	95.4	95.6	96.6	96.9	97.0	97.8	98.2	98.6	99.3
200	85.1	89.8	91.6	92.6	93.7	94.2	94.7	95.6	95.9	96.8	97.5	97.6	98.3	98.8	99.2	100.0
100	85.0	89.8	91.6	92.6	93.7	94.2	94.7	95.6	95.9	96.8	97.5	97.6	98.3	98.8	99.2	100.0
0	85.0	89.8	91.6	92.6	93.7	94.2	94.7	95.6	95.9	96.8	97.5	97.6	98.3	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 333

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	45.9	46.8	47.5	47.5	47.8	47.8	47.9	48.1	48.1	48.3	48.3	48.3	48.5	48.7	48.9	49.8
≥ 20000	46.3	47.4	48.1	48.1	48.3	48.3	48.5	48.7	48.7	48.9	48.9	48.9	49.1	49.3	49.5	50.4
≥ 18000	47.3	48.3	49.1	49.1	49.3	49.3	49.4	49.6	49.6	49.9	49.9	49.9	50.0	50.2	50.5	51.3
≥ 16000	47.3	48.3	49.1	49.1	49.3	49.3	49.4	49.6	49.6	49.9	49.9	49.9	50.0	50.2	50.5	51.3
≥ 14000	47.8	48.8	49.5	49.5	49.8	49.8	49.9	50.1	50.1	50.4	50.4	50.4	50.5	50.7	50.9	51.8
≥ 12000	48.8	49.9	50.6	50.6	50.8	50.8	50.9	51.2	51.2	51.4	51.4	51.4	51.5	51.8	52.0	52.8
≥ 10000	51.4	52.5	53.2	53.2	53.4	53.4	53.5	53.8	53.8	54.0	54.0	54.0	54.1	54.4	54.6	55.4
≥ 9000	54.1	55.3	56.0	56.0	56.3	56.3	56.4	56.7	56.7	57.0	57.0	57.0	57.1	57.3	57.6	58.4
≥ 8000	60.8	62.6	63.4	63.4	63.6	63.6	63.7	64.1	64.1	64.3	64.3	64.3	64.4	64.7	64.9	65.7
≥ 7000	67.0	69.0	69.7	69.7	70.0	70.0	70.1	70.4	70.4	70.7	70.7	70.7	70.8	71.0	71.3	72.1
≥ 6000	70.6	72.6	73.3	73.3	73.5	73.5	73.6	74.0	74.0	74.2	74.2	74.2	74.3	74.6	74.8	75.7
≥ 5000	74.1	76.6	77.3	77.3	77.5	77.5	77.7	78.0	78.0	78.3	78.3	78.3	78.4	78.6	78.8	79.7
≥ 4500	75.3	78.4	79.2	79.2	79.4	79.4	79.6	79.9	79.9	80.1	80.1	80.1	80.3	80.5	80.7	81.6
≥ 4000	78.3	82.2	83.1	83.1	83.3	83.3	83.5	83.8	83.8	84.0	84.0	84.0	84.2	84.4	84.6	85.5
≥ 3500	79.0	83.1	84.0	84.0	84.3	84.3	84.4	84.8	84.8	85.0	85.0	85.0	85.1	85.3	85.6	86.4
≥ 3000	81.0	85.7	86.8	86.8	87.0	87.0	87.1	87.5	87.5	87.7	87.7	87.7	87.8	88.1	88.3	89.1
≥ 2500	81.7	87.4	88.5	88.7	88.9	88.9	89.0	89.4	89.4	89.6	89.6	89.6	89.7	90.0	90.2	91.0
≥ 2000	82.3	88.7	90.3	90.8	91.4	91.5	91.6	92.3	92.4	92.8	92.8	92.8	93.0	93.3	93.5	94.3
≥ 1800	82.3	88.7	90.4	90.9	91.5	91.7	91.8	92.7	92.8	93.1	93.1	93.1	93.4	93.6	93.9	94.7
≥ 1600	82.3	88.9	90.7	91.5	92.2	92.4	92.6	93.4	93.6	94.0	94.0	94.0	94.2	94.4	94.7	95.5
≥ 1400	82.4	89.0	90.9	91.8	92.7	92.9	93.1	94.0	94.2	94.6	94.6	94.6	94.9	95.2	95.4	96.2
≥ 1200	82.4	89.4	91.4	92.3	93.3	93.5	93.9	94.8	95.0	95.5	95.5	95.5	96.0	96.2	96.5	97.3
≥ 1000	82.4	89.4	91.4	92.3	93.3	93.5	93.9	94.8	95.0	95.6	95.6	95.6	96.1	96.3	96.6	97.4
≥ 900	82.4	89.4	91.4	92.3	93.3	93.5	93.9	95.0	95.3	95.9	95.9	95.9	96.3	96.6	96.8	97.6
≥ 800	82.4	89.4	91.4	92.3	93.3	93.5	93.9	95.0	95.3	95.9	95.9	95.9	96.3	96.6	96.8	97.6
≥ 700	82.4	89.4	91.4	92.3	93.4	93.6	94.0	95.2	95.4	96.1	96.1	96.1	96.6	96.8	97.0	97.9
≥ 600	82.4	89.4	91.4	92.3	93.4	93.6	94.0	95.2	95.4	96.2	96.2	96.2	96.7	96.9	97.2	98.0
≥ 500	82.4	89.4	91.4	92.3	93.4	93.6	94.0	95.2	95.4	96.2	96.3	96.3	96.8	97.0	97.3	98.1
≥ 400	82.4	89.4	91.4	92.3	93.4	93.6	94.0	95.5	95.7	96.6	96.7	96.7	97.2	97.5	98.0	98.8
≥ 300	82.4	89.4	91.4	92.3	93.4	93.6	94.1	95.7	96.0	96.8	97.3	97.3	97.9	98.2	98.7	99.5
≥ 200	82.4	89.4	91.4	92.3	93.4	93.6	94.1	95.7	96.0	96.9	97.4	97.5	98.3	98.7	99.2	100.0
≥ 100	82.4	89.4	91.4	92.3	93.4	93.6	94.1	95.7	96.0	96.9	97.4	97.5	98.3	98.7	99.2	100.0
≥ 50	82.4	89.4	91.4	92.3	93.4	93.6	94.1	95.7	96.0	96.9	97.4	97.5	98.3	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 ELMENDORF AFB AK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	42.5	43.5	43.9	43.9	44.1	44.1	44.2	44.4	44.5	44.8	44.8	44.9	45.1	45.2	45.6	46.0
≥ 20000	44.1	45.2	45.6	45.7	45.9	45.9	46.0	46.2	46.3	46.6	46.6	46.7	46.9	47.0	47.8	47.9
≥ 18000	45.3	46.4	46.8	46.9	47.1	47.1	47.2	47.4	47.5	47.8	47.9	47.9	48.1	48.2	48.6	49.1
≥ 16000	45.4	46.5	46.9	47.0	47.2	47.2	47.3	47.5	47.6	47.9	47.9	48.0	48.2	48.3	48.7	49.2
≥ 14000	46.0	47.2	47.6	47.7	47.9	47.9	48.0	48.2	48.3	48.6	48.6	48.7	48.8	49.0	49.4	49.9
≥ 12000	48.1	49.4	49.8	49.9	50.0	50.1	50.1	50.4	50.4	50.7	50.8	50.9	51.0	51.1	51.5	52.0
≥ 10000	51.3	52.7	53.1	53.2	53.3	53.4	53.4	53.7	53.7	54.0	54.1	54.2	54.3	54.4	54.8	55.3
≥ 9000	53.3	54.7	55.1	55.2	55.3	55.3	55.4	55.7	55.7	56.0	56.1	56.2	56.3	56.5	56.9	57.4
≥ 8000	59.8	61.4	61.8	61.9	62.1	62.2	62.3	62.5	62.6	62.9	63.0	63.0	63.2	63.3	63.7	64.2
≥ 7000	65.6	67.3	67.7	67.8	68.1	68.1	68.2	68.4	68.5	68.8	68.9	68.9	69.1	69.2	69.6	70.1
≥ 6000	68.8	70.5	70.9	71.0	71.2	71.3	71.4	71.6	71.6	71.9	72.0	72.1	72.3	72.4	72.8	73.3
≥ 5000	72.8	74.7	75.2	75.3	75.6	75.6	75.7	76.0	76.0	76.3	76.4	76.5	76.7	76.8	77.2	77.7
≥ 4500	75.2	77.4	77.9	78.0	78.3	78.4	78.5	78.7	78.8	79.1	79.2	79.2	79.4	79.5	80.0	80.5
≥ 4000	77.9	80.6	81.1	81.3	81.6	81.7	81.8	82.0	82.1	82.4	82.5	82.6	82.8	82.9	83.3	83.8
≥ 3500	79.1	82.0	82.7	82.9	83.3	83.4	83.6	83.8	83.9	84.2	84.3	84.4	84.6	84.7	85.1	85.6
≥ 3000	80.6	83.8	84.5	84.8	85.3	85.4	85.6	85.9	86.0	86.3	86.4	86.5	86.7	86.8	87.3	87.8
≥ 2500	81.6	85.3	86.1	86.4	87.0	87.2	87.5	87.8	87.9	88.2	88.4	88.4	88.6	88.8	89.2	89.7
≥ 2000	82.3	86.2	87.2	87.7	88.5	88.8	89.1	89.5	89.6	90.0	90.1	90.2	90.5	90.6	91.0	91.5
≥ 1800	82.4	86.4	87.5	88.0	88.9	89.2	89.5	90.0	90.1	90.5	90.6	90.7	90.9	91.0	91.5	92.0
≥ 1500	82.7	86.8	87.9	88.7	89.6	90.0	90.4	90.9	91.1	91.5	91.8	91.8	92.1	92.3	92.7	93.2
≥ 1000	82.8	87.0	88.2	89.0	90.0	90.4	91.0	91.7	91.9	92.5	92.7	92.8	93.1	93.3	93.7	94.2
≥ 900	82.8	87.2	88.5	89.4	90.6	91.0	91.7	92.5	92.8	93.5	93.8	94.0	94.3	94.4	94.9	95.4
≥ 800	82.8	87.3	88.5	89.4	90.6	91.0	91.8	92.6	92.9	93.6	93.9	94.1	94.5	94.6	95.0	95.6
≥ 700	82.9	87.3	88.6	89.5	90.7	91.2	92.0	92.9	93.2	94.0	94.3	94.5	94.9	95.0	95.4	96.0
≥ 600	82.9	87.4	88.8	89.7	91.0	91.5	92.3	93.3	93.7	94.6	95.2	95.4	95.8	96.0	96.4	97.0
≥ 500	83.1	87.6	89.0	89.9	91.3	91.8	92.7	93.7	94.1	95.1	95.8	96.0	96.5	96.6	97.1	97.7
≥ 400	83.1	87.7	89.2	90.1	91.5	92.0	93.0	94.0	94.5	95.5	96.2	96.4	97.0	97.2	97.8	98.3
≥ 300	83.1	87.8	89.3	90.3	91.6	92.1	93.1	94.3	94.8	95.9	96.6	96.9	97.6	97.9	98.5	99.2
≥ 200	83.1	87.8	89.3	90.3	91.7	92.2	93.2	94.4	94.9	96.0	96.8	97.1	97.9	98.2	98.9	99.8
≥ 100	83.1	87.8	89.3	90.3	91.7	92.2	93.2	94.4	94.9	96.0	96.8	97.1	97.9	98.2	99.0	100.0
≥ 0	83.1	87.8	89.3	90.3	91.7	92.2	93.2	94.4	94.9	96.0	96.8	97.1	97.9	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .125	≥ .0625	≥ 0
NO CEILING	37.3	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.3
≥ 20000	38.2	38.9	39.3	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1
≥ 18000	39.5	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4
≥ 16000	39.8	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.8
≥ 14000	40.4	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.4
≥ 12000	42.7	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7
≥ 10000	47.4	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.4
≥ 9000	49.5	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
≥ 8000	53.9	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8
≥ 7000	59.1	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
≥ 6000	62.5	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5
≥ 5000	69.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3
≥ 4500	73.0	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	74.3
≥ 4000	79.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 3500	81.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8
≥ 3000	83.0	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9
≥ 2500	84.6	86.3	87.3	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.0
≥ 2000	85.4	88.2	89.4	89.5	89.8	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3
≥ 1800	86.1	89.7	91.5	91.7	92.4	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 1600	86.5	90.4	92.4	92.8	93.5	93.8	94.1	94.3	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.9
≥ 1400	86.7	91.0	92.9	93.3	94.1	94.3	94.8	95.1	95.2	95.6	96.0	96.0	96.0	96.0	96.0	96.1
≥ 1200	86.8	91.2	93.1	93.5	94.3	94.5	95.2	95.4	95.5	95.9	96.3	96.3	96.3	96.3	96.3	96.5
≥ 1000	86.9	91.4	93.3	93.9	94.6	95.1	95.8	96.1	96.2	96.7	97.2	97.2	97.2	97.2	97.2	97.3
≥ 900	86.9	91.9	93.9	94.4	95.2	95.6	96.3	97.0	97.1	97.5	98.1	98.1	98.1	98.1	98.1	98.2
≥ 800	86.9	92.0	94.0	94.5	95.3	95.8	96.6	97.2	97.3	97.7	98.4	98.4	98.4	98.4	98.4	98.5
≥ 700	86.9	92.0	94.1	94.6	95.4	95.9	96.7	97.3	97.4	97.8	98.7	98.8	98.8	98.8	98.8	98.9
≥ 600	87.0	92.2	94.2	94.7	95.6	96.1	96.9	97.5	97.7	98.2	99.0	99.1	99.1	99.1	99.1	99.2
≥ 500	87.0	92.2	94.3	94.8	95.7	96.2	97.0	97.6	97.8	98.3	99.1	99.2	99.2	99.2	99.4	99.5
≥ 400	87.0	92.3	94.4	94.9	95.8	96.3	97.1	97.7	98.0	98.4	99.2	99.4	99.5	99.5	99.6	99.7
≥ 300	87.0	92.3	94.4	94.9	95.8	96.3	97.1	97.7	98.0	98.4	99.2	99.4	99.5	99.5	99.6	99.9
≥ 200	87.0	92.3	94.4	94.9	95.8	96.3	97.1	97.7	98.0	98.4	99.2	99.4	99.5	99.5	99.6	100.0
≥ 100	87.0	92.3	94.4	94.9	95.8	96.3	97.1	97.7	98.0	98.4	99.2	99.4	99.5	99.5	99.6	100.0
≥ 0	87.0	92.3	94.4	94.9	95.8	96.3	97.1	97.7	98.0	98.4	99.2	99.4	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 ELMDORF AFB AK

73-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	35.8	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	36.5	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 18000	37.3	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 16000	37.6	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 14000	38.0	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 12000	39.9	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 10000	44.3	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 9000	46.8	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 8000	51.5	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 7000	57.9	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 6000	59.9	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
≥ 5000	66.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	71.6	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
≥ 4000	75.8	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
≥ 3500	79.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	81.3	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500	82.9	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	83.8
≥ 2000	83.8	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	84.1	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1500	84.9	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
≥ 1200	84.9	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
≥ 1000	85.1	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900	85.2	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 800	85.5	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 700	85.5	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 600	85.5	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 500	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 400	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 300	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 200	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 100	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 0	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	32.7	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.4	33.7	33.8	33.9	34.0
≥ 20000	34.7	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.5	35.7	35.8	35.9	36.0
≥ 18000	35.4	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.3	36.5	36.6	36.7
≥ 16000	36.0	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.8	37.0	37.1	37.2	37.3
≥ 14000	37.1	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	38.0	38.2	38.3	38.4	38.5
≥ 12000	38.3	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1	39.4	39.5	39.6	39.7
≥ 10000	41.8	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.7	42.9	43.0	43.1	43.2
≥ 9000	43.4	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.3	44.5	44.6	44.7	44.8
≥ 8500	49.2	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.3	50.5	50.8	50.9	51.0
≥ 7000	53.4	54.2	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.7	54.9	55.2	55.3	55.4
≥ 6000	58.3	59.0	59.1	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.7	59.9	60.1	60.2	60.3
≥ 5000	66.9	67.6	67.8	68.0	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.6	68.8	69.0	69.1	69.4
≥ 4500	71.6	72.4	72.6	72.7	72.9	73.0	73.1	73.2	73.3	73.3	73.3	73.5	73.8	74.0	74.1	74.3
≥ 4000	76.2	77.3	77.5	77.6	78.0	78.1	78.2	78.3	78.4	78.4	78.4	78.6	78.8	79.0	79.1	79.4
≥ 3500	79.5	80.9	81.1	81.2	81.6	81.7	81.8	81.9	82.0	82.0	82.0	82.3	82.5	82.7	82.8	83.0
≥ 3000	81.5	82.9	83.1	83.3	84.0	84.1	84.2	84.3	84.4	84.4	84.4	84.6	84.8	85.1	85.2	85.4
≥ 2500	82.9	84.6	85.3	85.6	86.3	86.7	87.1	87.2	87.3	87.3	87.3	87.5	87.7	88.0	88.1	88.3
≥ 2000	83.5	85.6	86.5	86.8	87.5	87.8	88.4	89.0	89.1	89.4	89.6	89.8	90.0	90.1	90.1	90.3
≥ 1800	83.5	85.8	86.7	87.0	87.7	88.1	88.8	89.5	89.6	89.9	90.1	90.3	90.5	90.6	90.6	90.9
≥ 1500	84.1	86.7	87.7	88.1	88.8	89.2	90.1	91.1	91.2	91.6	91.8	92.0	92.3	92.4	92.4	92.6
≥ 1200	84.2	86.9	88.1	88.5	89.2	89.7	90.5	91.6	91.7	92.2	92.4	92.7	93.1	93.4	93.8	94.1
≥ 1000	84.3	87.0	88.2	88.7	89.5	89.9	90.9	92.2	92.3	92.7	93.1	93.4	93.8	93.9	93.9	94.1
≥ 900	84.3	87.0	88.2	88.7	89.5	89.9	90.9	92.2	92.3	92.7	93.1	93.4	93.8	93.9	93.9	94.1
≥ 800	84.4	87.1	88.3	88.9	89.8	90.3	91.3	93.0	93.2	93.7	94.4	94.7	95.4	95.5	95.5	95.7
≥ 700	84.6	87.4	88.6	89.2	90.1	90.6	91.6	93.3	93.5	94.1	94.9	95.3	95.9	96.0	96.0	96.2
≥ 600	84.6	87.6	88.8	89.5	90.4	91.0	92.2	94.0	94.2	94.8	95.8	96.2	96.9	97.0	97.0	97.2
≥ 500	84.7	87.8	89.0	89.8	91.1	91.6	92.8	94.9	95.3	95.9	97.0	97.4	98.2	98.3	98.3	98.5
≥ 400	84.7	87.8	89.4	90.1	91.5	92.2	93.4	96.1	96.5	97.2	98.3	98.7	99.5	99.6	99.6	99.8
≥ 300	84.7	87.8	89.4	90.1	91.5	92.2	93.4	96.1	96.5	97.2	98.4	98.9	99.7	99.8	99.8	100.0
≥ 200	84.7	87.8	89.4	90.1	91.5	92.2	93.4	96.1	96.5	97.2	98.4	98.9	99.7	99.8	99.8	100.0
≥ 100	84.7	87.8	89.4	90.1	91.5	92.2	93.4	96.1	96.5	97.2	98.4	98.9	99.7	99.8	99.8	100.0
≥ 0	84.7	87.8	89.4	90.1	91.5	92.2	93.4	96.1	96.5	97.2	98.4	98.9	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 EL MENDORF AFB AK

73-82

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING > 20000	36.7	37.0	37.0	37.1	37.1	37.2	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 18000	41.1	41.4	41.4	41.5	41.5	41.6	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	41.1	41.4	41.4	41.5	41.5	41.6	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	43.1	43.4	43.4	43.5	43.5	43.7	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 12000	45.1	45.4	45.4	45.5	45.5	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 10000	48.2	48.5	48.5	48.6	48.6	48.7	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9500	50.2	50.5	50.5	50.6	50.6	50.8	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	58.1	58.4	58.4	58.5	58.5	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 8500	62.5	62.8	62.8	62.9	62.9	63.0	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000	65.9	66.5	66.5	66.6	66.6	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7500	73.2	74.2	74.2	74.3	74.3	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000	77.6	78.6	78.6	78.7	78.7	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6500	81.4	82.7	82.7	82.8	82.8	83.1	83.2	83.5	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8
≥ 6000	82.8	84.2	84.2	84.3	84.4	84.6	84.8	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4
≥ 5500	83.8	85.3	85.3	85.5	85.6	85.8	86.0	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000	85.6	87.2	87.5	87.6	88.0	88.3	88.7	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 4500	85.9	87.7	88.1	88.2	88.5	88.8	89.4	90.1	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4000	86.1	88.2	88.5	88.6	88.9	89.2	89.8	90.5	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	87.0	89.4	89.7	89.8	90.1	90.4	91.2	92.7	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 3000	87.1	89.7	90.0	90.1	90.4	90.9	91.7	93.2	93.5	93.8	94.0	94.1	94.1	94.1	94.1	94.1
≥ 2500	87.2	89.9	90.2	90.3	90.6	91.1	92.0	93.8	94.2	94.6	95.1	95.3	95.3	95.3	95.3	95.3
≥ 2000	87.3	90.0	90.3	90.4	90.9	91.3	92.3	94.3	94.9	95.5	95.9	96.1	96.1	96.1	96.1	96.1
≥ 1500	87.3	90.0	90.3	90.4	91.0	91.4	92.7	94.7	95.4	96.1	97.0	97.2	97.2	97.2	97.2	97.2
≥ 1000	87.4	90.1	90.4	90.5	91.1	91.5	92.8	95.1	95.7	96.5	97.4	97.7	97.7	97.7	97.7	97.7
≥ 800	87.5	90.2	90.5	90.6	91.2	91.6	92.9	95.2	95.8	96.7	97.7	98.1	98.1	98.1	98.1	98.1
≥ 600	87.5	90.3	90.9	91.0	91.5	91.9	93.2	95.7	96.3	97.2	98.4	98.7	98.7	98.7	98.7	98.7
≥ 500	87.5	90.4	91.0	91.1	91.7	92.2	93.7	96.3	97.0	98.0	99.1	99.5	99.6	99.6	99.6	99.6
≥ 400	87.5	90.4	91.0	91.1	91.7	92.2	93.7	96.3	97.0	98.0	99.1	99.5	99.6	99.6	99.6	99.6
≥ 300	87.5	90.4	91.0	91.1	91.7	92.2	93.7	96.3	97.0	98.0	99.1	99.5	99.6	99.6	99.6	99.6
≥ 200	87.5	90.4	91.0	91.1	91.7	92.2	93.7	96.3	97.0	98.0	99.1	99.5	99.6	99.6	99.6	99.6
≥ 100	87.5	90.4	91.0	91.1	91.7	92.2	93.7	96.3	97.0	98.0	99.1	99.5	99.6	99.6	99.6	99.6
≥ 50	87.5	90.4	91.0	91.1	91.7	92.2	93.7	96.3	97.0	98.0	99.1	99.5	99.6	99.6	99.6	99.6
≥ 20	87.5	90.4	91.0	91.1	91.7	92.2	93.7	96.3	97.0	98.0	99.1	99.5	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥10000	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥7500	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥5000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥4000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥3500	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥3000	47.8	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥2500	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥2000	54.3	55.1	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥1500	61.8	62.0	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥1000	68.1	68.7	69.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥750	71.1	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
≥500	78.1	78.7	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥250	82.1	83.2	83.4	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥200	85.3	86.1	86.5	86.6	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥150	86.5	87.7	88.2	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥100	87.6	89.6	90.0	90.1	90.1	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥75	88.2	90.4	91.1	91.2	91.3	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥50	88.7	91.1	91.7	92.0	92.2	92.4	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥25	88.8	91.2	91.8	92.2	92.3	92.5	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥20	89.0	91.6	92.4	92.7	93.0	93.3	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥15	89.2	91.9	92.7	93.0	93.3	93.8	94.8	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9
≥10	89.4	92.3	93.7	93.4	93.8	94.3	95.4	96.2	96.3	96.6	97.1	97.1	97.1	97.1	97.1	97.1
≥7.5	89.4	92.3	93.7	93.4	93.8	94.6	95.7	96.6	96.7	96.9	97.6	97.6	97.6	97.6	97.6	97.6
≥5	89.4	92.3	93.0	93.4	94.0	94.8	95.9	96.8	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8
≥2.5	89.4	92.3	93.0	93.4	94.0	94.8	96.0	96.9	97.0	97.2	98.0	98.0	98.0	98.0	98.0	98.0
≥2	89.5	92.5	93.2	93.7	94.3	95.2	96.5	97.4	97.6	98.0	98.8	98.8	98.8	98.8	98.8	98.8
≥1.5	89.5	92.5	93.3	93.8	94.5	95.4	96.7	97.6	97.8	98.3	99.1	99.2	99.2	99.2	99.2	99.2
≥1	89.5	92.5	93.3	93.8	94.5	95.4	96.8	97.7	98.1	98.5	99.4	99.5	99.5	99.5	99.5	99.5
≥0.5	89.5	92.5	93.3	93.8	94.5	95.4	96.8	98.1	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8
≥0.25	89.5	92.5	93.3	93.8	94.5	95.4	96.8	98.1	98.4	98.8	99.8	99.9	100.0	100.0	100.0	100.0
≥0.1	89.5	92.5	93.3	93.8	94.5	95.4	96.8	98.1	98.4	98.8	99.8	99.9	100.0	100.0	100.0	100.0
≥0.05	89.5	92.5	93.3	93.8	94.5	95.4	96.8	98.1	98.4	98.8	99.8	99.9	100.0	100.0	100.0	100.0
≥0.025	89.5	92.5	93.3	93.8	94.5	95.4	96.8	98.1	98.4	98.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

MAZ

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1530-1700

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 20000	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 18000	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 16000	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 14000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 12000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 8000	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 6000	61.9	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4000	68.0	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2000	72.6	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 1000	78.7	79.4	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 800	82.0	82.7	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 600	84.6	85.6	86.0	86.1	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 400	87.3	88.4	88.8	88.9	89.0	89.1	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 200	88.9	90.4	91.0	91.1	91.2	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 100	90.0	91.9	92.7	92.9	93.2	93.4	93.5	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 80	90.6	92.9	93.7	93.9	94.2	94.5	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 60	91.0	93.5	94.3	94.5	94.8	95.2	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 40	91.4	94.2	94.9	95.2	95.5	95.8	96.2	96.7	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 20	91.8	94.6	95.4	95.6	95.9	96.2	96.7	97.3	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 10	91.8	94.7	95.5	95.7	96.0	96.3	96.8	97.5	97.7	98.1	98.2	98.2	98.2	98.3	98.3	98.3
≥ 8	91.8	94.7	95.6	95.8	96.1	96.5	96.9	97.6	97.8	98.2	98.3	98.5	98.5	98.6	98.6	98.6
≥ 6	91.8	94.7	95.6	95.8	96.1	96.5	96.9	97.8	98.1	98.5	98.6	98.8	98.8	98.9	98.9	98.9
≥ 4	91.8	94.7	95.6	95.8	96.1	96.5	96.9	97.8	98.2	98.6	98.7	99.0	99.0	99.1	99.1	99.1
≥ 2	91.8	94.7	95.6	95.8	96.1	96.5	96.9	97.8	98.3	98.7	98.8	99.1	99.1	99.2	99.2	99.2
≥ 1	91.8	94.7	95.6	95.8	96.1	96.5	97.1	98.2	98.5	98.9	99.0	99.4	99.4	99.5	99.5	99.5
≥ .75	91.8	94.7	95.6	95.8	96.1	96.5	97.2	98.4	98.7	99.1	99.2	99.6	99.6	99.7	99.7	99.7
≥ .5	91.8	94.7	95.6	95.8	96.1	96.5	97.2	98.4	98.7	99.1	99.2	99.8	99.8	99.9	100.0	100.0
≥ .25	91.8	94.7	95.6	95.8	96.1	96.5	97.2	98.4	98.7	99.1	99.2	99.8	99.8	99.9	100.0	100.0
≥ .1	91.8	94.7	95.6	95.8	96.1	96.5	97.2	98.4	98.7	99.1	99.2	99.8	99.8	99.9	100.0	100.0
≥ .05	91.8	94.7	95.6	95.8	96.1	96.5	97.2	98.4	98.7	99.1	99.2	99.8	99.8	99.9	100.0	100.0
≥ .01	91.8	94.7	95.6	95.8	96.1	96.5	97.2	98.4	98.7	99.1	99.2	99.8	99.8	99.9	100.0	100.0
≥ .00	91.8	94.7	95.6	95.8	96.1	96.5	97.2	98.4	98.7	99.1	99.2	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

4AP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥10000	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
8000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
6000	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
4000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
2000	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
1000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
800	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
600	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
400	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
200	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
100	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	69.6	69.6	69.6
80	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
60	78.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
40	82.2	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
20	85.5	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
10	87.4	88.4	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
8	88.3	89.7	90.1	90.1	90.2	90.3	90.4	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
6	89.5	91.0	91.7	91.9	92.0	92.2	92.4	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
4	89.7	91.2	91.9	92.2	92.4	92.5	92.7	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2	90.1	91.7	92.4	92.9	93.2	93.3	93.5	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1	90.6	92.3	93.1	93.4	93.9	94.0	94.2	94.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
0.8	91.0	92.6	93.8	94.1	94.5	94.6	94.8	95.1	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
0.6	91.0	92.7	93.9	94.2	94.6	94.7	94.9	95.2	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8
0.4	91.0	92.7	93.9	94.2	94.6	94.7	94.9	95.3	95.5	96.2	96.5	96.6	96.7	96.7	96.7	96.7
0.2	91.1	92.9	94.3	94.6	95.2	95.3	95.6	95.9	96.3	97.2	97.4	97.5	97.6	97.7	97.7	97.7
0.1	91.2	93.0	94.4	94.7	95.3	95.4	95.7	96.1	96.6	97.6	98.0	98.2	98.3	98.4	98.4	98.4
0.08	91.2	93.0	94.6	95.1	95.6	95.7	96.0	96.5	96.9	98.0	98.4	98.6	98.7	98.8	98.8	98.8
0.06	91.2	93.0	94.6	95.1	95.6	95.8	96.1	96.8	97.3	98.5	99.0	99.2	99.5	99.6	99.6	99.6
0.04	91.2	93.0	94.6	95.1	95.6	95.9	96.2	96.9	97.4	98.6	99.1	99.4	99.7	99.8	99.8	99.8
0.02	91.2	93.0	94.6	95.1	95.6	95.9	96.2	96.9	97.4	98.6	99.2	99.6	99.9	100.0	100.0	100.0
0.01	91.2	93.0	94.6	95.1	95.6	95.9	96.2	96.9	97.4	98.6	99.2	99.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-720 ELMENDORF AFB AK

73-82

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO. CEILING ≥20000	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥18000	33.7	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥16000	40.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥14000	40.4	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥12000	41.6	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥10000	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥9000	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥8000	50.2	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥7000	55.3	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
≥6000	61.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥5000	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥4500	71.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥4000	74.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥3500	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥3000	80.3	82.0	82.2	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥2500	82.5	84.5	84.6	84.9	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥2000	85.1	87.4	88.0	88.3	88.5	88.5	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥1800	86.6	89.8	90.6	91.1	91.7	91.7	91.8	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥1600	86.9	90.2	91.1	91.5	92.2	92.2	92.3	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥1400	87.5	91.1	91.9	92.4	93.5	93.5	93.8	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥1200	87.8	91.5	92.5	92.9	94.1	94.1	94.4	94.7	94.8	94.9	94.9	94.9	94.9	95.1	95.1	95.1
≥1000	88.2	91.8	93.1	93.5	94.7	94.7	95.1	95.6	95.7	95.9	96.0	96.0	96.1	96.1	96.1	96.1
≥900	88.3	91.9	93.2	93.8	94.9	94.9	95.3	95.8	96.1	96.3	96.5	96.5	96.6	96.6	96.6	96.6
≥800	88.3	92.0	93.4	94.0	95.2	95.2	95.5	96.1	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9
≥700	88.4	92.4	94.1	94.6	96.0	96.0	96.7	97.3	97.6	97.8	98.1	98.1	98.2	98.2	98.2	98.2
≥600	88.4	92.4	94.1	94.6	96.3	96.3	97.3	97.7	98.1	98.3	98.6	98.6	98.7	98.7	98.7	98.7
≥500	88.4	92.4	94.4	95.1	96.8	96.8	97.5	98.3	98.6	98.9	99.2	99.2	99.5	99.5	99.5	99.5
≥400	88.4	92.4	94.5	95.2	96.9	96.9	97.6	98.5	98.9	99.4	99.7	99.8	100.0	100.0	100.0	100.0
≥300	88.4	92.4	94.5	95.2	96.9	96.9	97.6	98.5	98.9	99.4	99.7	99.8	100.0	100.0	100.0	100.0
≥200	88.4	92.4	94.5	95.2	96.9	96.9	97.6	98.5	98.9	99.4	99.7	99.8	100.0	100.0	100.0	100.0
≥100	88.4	92.4	94.5	95.2	96.9	96.9	97.6	98.5	98.9	99.4	99.7	99.8	100.0	100.0	100.0	100.0
≥0	88.4	92.4	94.5	95.2	96.9	96.9	97.6	98.5	98.9	99.4	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
20000	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.6
18000	38.3	38.7	38.7	38.7	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9
16000	39.8	40.2	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4
14000	40.3	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.8	40.8	40.8	40.8	40.9	40.9
12000	41.2	41.6	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8
10000	43.3	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0
8000	48.2	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.9	48.9
6000	50.3	50.7	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0
4000	56.5	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.4
2000	61.9	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8
1000	65.5	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5
500	72.5	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.9
400	76.5	77.4	77.5	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.0
300	80.4	81.6	81.8	81.9	81.9	82.0	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.4
200	82.8	84.1	84.3	84.5	84.6	84.6	84.7	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.1
100	84.5	86.1	86.3	86.5	86.7	86.7	86.8	86.9	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2
50	85.9	87.9	88.4	88.7	89.0	89.1	89.3	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8
20	86.7	89.2	90.0	90.2	90.6	90.8	91.1	91.5	91.5	91.7	91.7	91.8	91.8	91.8	91.9	91.9
10	86.9	89.5	90.3	90.5	91.0	91.2	91.5	91.9	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.3
5	87.5	90.4	91.3	91.7	92.3	92.4	92.9	93.4	93.5	93.7	93.8	93.8	93.8	93.9	93.9	93.9
2	87.7	90.9	91.8	92.2	92.9	93.1	93.7	94.3	94.4	94.6	94.8	94.8	94.9	94.9	94.9	95.0
1	87.9	91.2	92.3	92.6	93.3	93.6	94.2	94.9	95.1	95.4	95.7	95.8	95.8	95.8	95.9	95.9
0.5	88.0	91.3	92.4	92.8	93.4	93.8	94.4	95.2	95.4	95.7	96.1	96.2	96.3	96.3	96.3	96.4
0.25	88.1	91.4	92.5	93.0	93.7	94.0	94.7	95.6	95.8	96.3	96.7	96.8	97.0	97.0	97.0	97.1
0.15	88.1	91.6	92.8	93.2	94.0	94.4	95.1	96.1	96.3	96.8	97.3	97.4	97.6	97.6	97.6	97.7
0.1	88.2	91.7	92.9	93.3	94.2	94.5	95.3	96.4	96.7	97.2	97.8	98.0	98.1	98.2	98.2	98.2
0.05	88.2	91.8	93.2	93.6	94.5	94.9	95.7	96.9	97.2	97.8	98.4	98.6	98.8	98.8	98.9	98.9
0.025	88.2	91.9	93.3	93.8	94.7	95.1	96.1	97.4	97.7	98.4	99.1	99.3	99.5	99.5	99.6	99.6
0.015	88.2	91.9	93.3	93.8	94.8	95.2	96.1	97.5	97.9	98.5	99.2	99.5	99.7	99.7	99.8	99.8
0.01	88.2	91.9	93.3	93.8	94.8	95.2	96.1	97.5	97.9	98.5	99.3	99.6	99.8	99.8	99.9	100.0
0.005	88.2	91.9	93.3	93.8	94.8	95.2	96.1	97.5	97.9	98.5	99.3	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7880

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

		VISIBILITY STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
18000	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
16000	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
14000	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
12000	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
10000	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
8000	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
6000	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
4000	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2000	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
1000	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
800	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
600	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
400	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
200	86.4	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
100	88.7	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
80	90.1	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
60	91.4	92.1	92.3	92.4	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
40	91.4	92.2	92.4	92.6	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
20	91.7	92.7	92.9	93.1	93.8	93.8	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
10	91.7	92.7	92.9	93.1	93.9	93.9	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
8	91.7	93.1	93.4	93.7	94.6	94.6	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
6	91.7	93.1	93.6	93.8	94.7	95.1	95.1	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
4	91.7	93.3	94.0	94.3	95.2	95.7	95.7	96.3	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
2	91.9	93.7	94.3	94.8	95.8	96.2	96.6	97.2	97.3	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1	92.0	93.8	94.4	94.9	95.9	96.3	96.8	97.4	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0.8	92.4	94.4	95.1	95.6	96.6	97.0	97.4	98.1	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0.6	92.7	94.9	95.7	96.1	97.4	97.9	98.3	99.0	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0.4	92.7	95.0	95.8	96.2	97.6	98.0	98.4	99.1	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.2	92.7	95.0	96.0	96.4	97.8	98.2	98.7	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.1	92.7	95.0	96.0	96.4	97.8	98.2	98.7	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000	39.0	39.2	39.3	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000	41.1	41.3	41.4	41.4	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 16000	42.4	42.7	42.8	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 14000	43.2	43.4	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 12000	44.1	44.2	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 10000	46.0	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000	53.4	53.7	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 6000	55.6	55.8	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4000	61.3	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 2000	65.7	65.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1000	70.7	70.9	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 500	77.1	77.3	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 400	78.2	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 300	82.1	82.7	82.9	82.9	83.0	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 200	85.4	86.1	86.3	86.3	86.6	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 100	86.9	87.8	88.0	88.0	88.2	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 50	88.8	90.1	90.3	90.3	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 40	90.7	92.1	92.3	92.3	93.0	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 30	90.7	92.3	92.6	92.7	93.3	93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 20	90.7	92.3	92.6	92.7	93.6	93.6	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 10	90.7	92.3	92.8	92.9	93.8	93.8	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 5	90.9	92.9	93.7	93.8	94.7	94.9	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3	90.9	92.9	93.7	93.8	94.8	95.0	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2	91.0	93.0	93.8	94.0	95.1	95.4	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1	91.0	93.1	94.0	94.3	95.4	95.8	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0.5	91.1	93.4	94.3	94.7	95.8	96.2	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 0.2	91.6	94.0	94.9	95.4	96.6	97.0	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0.1	91.7	94.1	95.1	95.7	96.8	97.2	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0.05	91.8	94.3	95.3	96.0	97.1	97.6	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0.02	91.8	94.3	95.3	96.0	97.1	97.7	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.01	91.8	94.3	95.3	96.0	97.1	97.7	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	41.2	41.3	41.3	41.3	41.3	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	44.2	44.3	44.3	44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 18000	45.6	45.7	45.7	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	45.7	45.8	45.8	45.9	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 14000	46.9	46.9	46.9	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 12000	50.9	51.0	51.0	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	56.0	56.1	56.1	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 9000	58.2	58.3	58.3	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	64.8	64.9	64.9	65.0	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	69.4	69.9	69.9	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	72.7	73.1	73.1	73.2	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 5000	76.9	77.4	77.4	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	79.1	79.8	79.8	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4000	83.1	84.1	84.2	84.4	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	86.7	87.1	87.2	87.4	87.6	87.6	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	86.9	88.2	88.3	88.6	88.7	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	83.6	89.9	90.1	90.3	90.6	90.6	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2000	90.0	91.4	91.7	91.9	92.3	92.4	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	90.2	91.7	91.9	92.1	92.7	92.8	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1600	90.4	92.1	92.3	92.6	93.1	93.2	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1400	90.7	92.4	92.8	93.0	93.6	93.7	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	90.8	92.7	93.1	93.4	94.1	94.2	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000	90.9	93.0	93.4	93.8	94.4	94.6	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 900	90.9	93.0	93.4	93.8	94.4	94.6	95.7	96.1	96.2	96.6	96.4	96.4	96.4	96.8	96.8	96.8
≥ 800	90.9	93.0	93.4	93.8	94.4	94.6	95.7	96.1	96.2	96.6	96.8	97.0	97.2	97.2	97.2	97.2
≥ 700	90.9	93.1	93.8	94.1	94.8	94.9	96.0	96.4	96.6	96.9	97.1	97.3	97.6	97.6	97.6	97.6
≥ 600	91.2	93.8	94.6	94.9	95.7	95.8	96.9	97.4	97.6	97.9	98.1	98.3	98.6	98.6	98.6	98.6
≥ 500	91.2	93.8	94.6	94.9	95.7	95.8	97.0	97.6	97.7	98.1	98.4	98.8	99.0	99.0	99.0	99.0
≥ 400	91.2	93.8	94.6	94.9	95.8	96.0	97.2	97.9	98.0	98.8	99.1	99.4	99.7	99.7	99.7	99.7
≥ 300	91.2	93.8	94.6	94.9	95.8	96.0	97.2	98.0	98.1	98.9	99.3	99.7	99.9	99.9	99.9	99.9
≥ 200	91.2	93.8	94.6	94.9	95.8	96.0	97.2	98.0	98.1	98.9	99.3	99.7	99.9	99.9	99.9	99.9
≥ 100	91.2	93.8	94.6	94.9	95.8	96.0	97.2	98.0	98.1	98.9	99.3	99.7	99.9	99.9	99.9	99.9
≥ 0	91.2	93.8	94.6	94.9	95.8	96.0	97.2	98.0	98.1	98.9	99.3	99.7	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 27000	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 15000	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9500	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	74.0	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	76.8	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	82.1	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	89.7	90.2	90.4	90.4	90.4	90.4	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 300	90.7	91.7	91.9	91.9	91.9	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2500	91.4	92.6	92.8	92.8	92.8	92.8	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000	92.2	93.4	93.7	93.7	93.7	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	92.2	93.4	93.7	93.7	93.7	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	93.2	94.6	95.1	95.1	95.3	95.3	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	93.3	94.8	95.3	95.3	95.6	95.6	95.7	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	93.3	94.8	95.3	95.4	95.7	95.7	95.8	96.0	96.1	96.1	96.3	96.3	96.4	96.4	96.4	96.4
≥ 900	93.3	94.8	95.3	95.4	95.7	95.7	95.8	96.1	96.2	96.2	96.4	96.4	96.6	96.6	96.6	96.6
≥ 800	93.3	94.8	95.4	95.6	95.8	95.8	95.9	96.3	96.4	96.4	96.7	96.7	96.8	96.8	96.8	96.8
≥ 700	93.8	95.2	95.9	96.0	96.2	96.3	96.4	97.0	97.1	97.1	97.4	97.4	97.6	97.6	97.6	97.6
≥ 600	93.8	95.2	95.9	96.0	96.2	96.3	96.4	97.0	97.1	97.2	97.6	97.6	97.7	97.7	97.7	97.7
≥ 500	93.8	95.3	96.2	96.4	97.0	97.1	97.2	97.9	98.0	98.2	98.6	98.6	98.7	98.7	98.7	98.7
≥ 400	93.8	95.6	96.4	96.7	97.2	97.3	97.4	98.2	98.3	98.6	98.9	98.9	99.0	99.1	99.1	99.1
≥ 300	93.8	95.6	96.4	96.8	97.4	97.8	97.9	98.7	98.8	99.1	99.4	99.4	99.6	99.7	99.7	99.7
≥ 200	93.8	95.6	96.4	96.8	97.6	97.9	98.0	98.8	98.9	99.2	99.7	99.7	99.8	99.9	99.9	99.9
≥ 100	93.8	95.6	96.4	96.8	97.6	98.0	98.1	98.9	99.0	99.3	99.8	99.8	99.9	100.0	100.0	100.0
≥ 0	93.8	95.6	96.4	96.8	97.6	98.0	98.1	98.9	99.0	99.3	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 EL MENDORF AFB AK

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 20000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 16000	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 14000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000	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	67.6
≥ 7000	73.6	73.6	73.6	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
≥ 6000	76.6	76.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	83.4	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	86.3	86.6	86.7	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4000	89.4	89.8	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500	91.2	91.7	91.8	91.9	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3000	92.4	93.0	93.1	93.2	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	93.8	94.4	94.6	94.7	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	94.1	94.9	95.2	95.4	95.9	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	94.1	94.9	95.2	95.4	95.9	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500	94.3	95.2	95.7	95.9	96.4	96.6	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	94.6	95.4	96.0	96.2	96.8	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	94.6	95.8	96.3	96.6	97.1	97.3	97.6	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1
≥ 900	94.6	95.8	96.3	96.6	97.1	97.3	97.6	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1
≥ 800	94.7	96.1	96.8	97.0	97.6	97.8	98.1	98.4	98.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9
≥ 700	94.8	96.3	97.0	97.2	97.8	98.0	98.3	98.7	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 600	94.8	96.3	97.0	97.2	97.8	98.0	98.3	98.7	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 500	94.8	96.3	97.2	97.6	98.1	98.3	98.7	99.1	99.1	99.2	99.4	99.4	99.6	99.6	99.6	99.6
≥ 400	94.8	96.4	97.3	97.7	98.2	98.4	98.8	99.3	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8
≥ 300	94.8	96.4	97.3	97.7	98.3	98.6	98.9	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	94.8	96.4	97.3	97.7	98.3	98.6	98.9	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	94.8	96.4	97.3	97.7	98.3	98.6	98.9	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	94.8	96.4	97.3	97.7	98.3	98.6	98.9	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 18000	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 6000	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 14000	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 12000	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	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
≥ 5000	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	92.8	93.1	93.4	93.6	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	93.6	94.1	94.4	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	94.2	95.0	95.3	95.4	95.6	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	94.4	95.2	95.6	95.7	95.8	95.8	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500	94.4	95.3	95.7	95.8	95.9	95.9	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	94.9	95.8	96.2	96.3	96.6	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	94.9	95.9	96.3	96.4	96.7	96.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	94.9	95.9	96.3	96.4	96.7	96.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	94.9	95.9	96.3	96.4	96.7	96.7	97.9	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
≥ 700	94.9	95.9	96.3	96.4	96.7	96.7	97.9	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
≥ 600	94.9	95.9	96.3	96.4	96.7	96.7	97.9	98.4	98.4	98.4	98.7	98.7	98.8	98.8	98.8	98.8
≥ 500	94.9	95.9	96.4	96.6	96.8	96.8	98.0	98.7	98.7	98.7	99.1	99.1	99.2	99.2	99.2	99.2
≥ 400	94.9	96.0	96.7	96.8	97.0	97.0	98.3	99.0	99.0	99.0	99.1	99.7	99.7	99.8	99.8	99.8
≥ 300	94.9	96.0	96.7	96.8	97.0	97.0	98.3	99.0	99.0	99.0	99.1	99.7	99.7	99.8	99.8	99.8
≥ 200	94.9	96.0	96.7	96.9	97.1	97.1	98.4	99.2	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	94.9	96.0	96.7	96.9	97.1	97.1	98.4	99.2	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	94.9	96.0	96.7	96.9	97.1	97.1	98.4	99.2	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 EL MENDORF AFB, TX

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO. CEILING	38.3	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 20000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
18000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
16000	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
14000	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
12000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
10000	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
9000	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
8000	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
7000	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
6000	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
5000	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
4500	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
4000	87.0	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
3500	89.1	89.6	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
3000	90.3	91.0	91.2	91.3	91.4	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2500	91.2	91.9	92.2	92.3	92.8	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
2000	92.6	93.3	93.8	93.9	94.4	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1800	92.7	93.4	93.9	94.0	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1500	93.0	94.0	94.4	94.7	95.2	95.3	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1200	93.0	94.6	95.0	95.2	95.9	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
1000	93.0	94.6	95.2	95.7	96.6	96.8	97.1	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
900	93.0	94.6	95.4	95.7	96.8	97.0	97.3	97.7	97.7	97.7	97.7	97.8	97.8	97.9	97.9	97.9
800	93.0	94.6	95.6	96.0	96.9	97.1	97.4	97.8	97.8	97.8	97.8	98.1	98.2	98.4	98.4	98.4
700	93.0	94.6	95.6	96.0	97.0	97.2	97.6	98.0	98.0	98.0	98.3	98.4	98.7	98.7	98.7	98.7
600	93.0	94.6	95.6	96.0	97.0	97.2	97.6	98.1	98.1	98.1	98.6	98.7	98.9	98.9	98.9	98.9
500	93.0	94.6	95.6	96.0	97.0	97.2	97.6	98.1	98.1	98.1	98.7	98.8	99.0	99.0	99.0	99.0
400	93.0	94.7	95.7	96.1	97.1	97.3	97.8	98.3	98.3	98.6	99.2	99.3	99.7	99.7	99.7	99.7
300	93.0	94.7	95.7	96.1	97.1	97.3	97.8	98.3	98.3	98.8	99.4	99.6	99.9	99.9	99.9	99.9
200	93.0	94.7	95.7	96.1	97.1	97.3	97.8	98.3	98.3	98.8	99.6	99.7	100.0	100.0	100.0	100.0
100	93.0	94.7	95.7	96.1	97.1	97.3	97.8	98.3	98.3	98.8	99.6	99.7	100.0	100.0	100.0	100.0
0	93.0	94.7	95.7	96.1	97.1	97.3	97.8	98.3	98.3	98.8	99.6	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2130-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 18000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 10000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 9000	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	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	66.4
≥ 7000	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
≥ 6000	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 5000	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	88.3	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
≥ 3000	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	90.3	91.3	91.4	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	91.4	93.2	93.3	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	91.4	93.4	93.6	93.8	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	91.6	93.9	94.1	94.3	94.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	91.7	94.2	94.6	94.9	95.1	95.1	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	91.7	94.8	95.3	95.8	96.0	96.0	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	91.7	94.8	95.6	96.1	96.3	96.3	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	91.7	94.9	95.7	96.2	96.4	96.4	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	91.7	94.9	95.7	96.2	96.4	96.4	97.3	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	91.7	94.9	95.7	96.2	96.4	96.4	97.3	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	91.8	95.1	96.0	96.6	97.0	97.1	97.9	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	91.8	95.2	96.1	96.7	97.2	97.3	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	91.8	95.3	96.2	97.0	97.6	97.7	98.6	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	91.8	95.3	96.3	97.1	97.7	97.8	98.7	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	91.8	95.3	96.3	97.1	97.8	97.9	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	91.8	95.3	96.3	97.1	97.8	97.9	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO. OF OBS.	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000	43.9	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 18000	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 16000	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 14000	46.9	47.0	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 10000	56.5	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	56.6
≥ 9000	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 8000	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 7000	70.3	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	80.5	80.7	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	82.9	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	86.1	86.5	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	88.3	88.9	89.0	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	89.8	90.5	90.7	90.7	90.8	90.8	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	91.0	91.9	92.1	92.2	92.4	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	92.1	93.2	93.5	93.6	93.9	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	92.2	93.3	93.6	93.7	94.1	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	92.4	93.8	94.1	94.3	94.7	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	92.6	94.0	94.4	94.6	95.1	95.2	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000	92.6	94.3	94.8	95.1	95.7	95.8	96.3	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	92.8	94.3	95.0	95.2	95.8	96.0	96.5	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	92.8	94.4	95.1	95.4	96.0	96.2	96.8	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5
≥ 700	92.7	94.6	95.3	95.6	96.2	96.4	97.0	97.6	97.6	97.7	98.0	98.0	98.1	98.1	98.1	98.1
≥ 600	92.8	94.7	95.4	95.7	96.3	96.5	97.2	97.8	97.8	97.9	98.2	98.2	98.3	98.3	98.4	98.4
≥ 500	92.9	94.9	95.8	96.1	96.8	97.0	97.7	98.3	98.4	98.5	98.8	98.9	99.0	99.0	99.0	99.0
≥ 400	93.0	95.1	95.9	96.3	97.1	97.3	98.0	98.7	98.8	98.9	99.3	99.3	99.5	99.5	99.5	99.5
≥ 300	93.1	95.1	96.0	96.4	97.2	97.5	98.2	98.9	99.0	99.2	99.6	99.7	99.8	99.8	99.8	99.8
≥ 200	93.0	95.1	96.0	96.5	97.3	97.6	98.3	99.0	99.1	99.3	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	93.0	95.1	96.0	96.5	97.3	97.6	98.3	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0200

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO. CEILING 20000	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
18000	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
16000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
14000	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
12000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
10000	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
8000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
6000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
5000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
4000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
3000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
2500	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
2000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1500	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
1000	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
750	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
500	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
250	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
150	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
120	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
100	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
75	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
50	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
25	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
15	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
10	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MA

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
≥20000	32.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥18000	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥16000	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥14000	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥12000	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥10000	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥8000	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥6000	65.3	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
≥4000	74.4	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
≥2000	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥1000	86.3	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
≥500	89.5	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
≥250	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥125	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥62.5	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥31.25	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
≥15.625	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3
≥7.8125	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4
≥3.90625	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7
≥1.953125	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2
≥0.9765625	97.8	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
≥0.48828125	97.8	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
≥0.244140625	98.0	98.7	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	99.1
≥0.1220703125	98.1	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2
≥0.06103515625	98.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
≥0.030517578125	98.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
≥0.0152587890625	98.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥0.00762939453125	98.1	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥0.003814697265625	98.1	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥0.0019073486328125	98.1	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

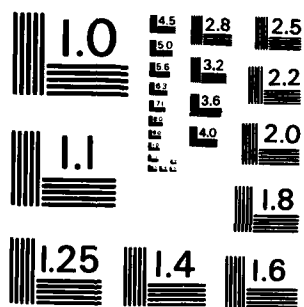
USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UNCLASSIFIED

ELMENDORF AFB ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 SEP 83
USAFETAC/DS-83/041 SBI-AD-E850 424 F/G 4/2

3/5

NI



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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-87
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
TIME PERIOD

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 20000	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 18000	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 16000	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 14000	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 9000	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	70.8	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 7000	78.4	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	83.1	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	87.5	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4500	89.8	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000	92.2	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3500	93.7	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 3000	94.3	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	95.2	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2000	96.1	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	96.1	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	96.7	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	96.8	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	97.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	97.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	97.4	98.5	98.5	98.5	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	97.4	98.5	98.5	98.5	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	97.7	98.8	99.0	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	97.7	98.8	99.0	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	97.8	98.9	99.1	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	97.8	98.9	99.1	99.2	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	97.8	98.9	99.1	99.2	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	97.8	98.9	99.1	99.2	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	97.8	98.9	99.1	99.2	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMHENDORF AFB, AK

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING ≥ 20000	34.7	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 18000	40.1	40.2	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000	42.6	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 14000	43.0	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 12000	46.1	46.2	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	48.2	48.3	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 9000	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	73.4	73.5	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	80.1	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4500	89.1	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4000	91.2	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	94.7	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	95.8	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	96.5	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	97.0	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1600	97.2	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1400	97.6	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	97.8	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	98.1	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	98.2	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	98.2	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	98.3	99.1	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	98.3	99.2	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	98.3	99.4	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	98.3	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.3	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.3	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.3	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	98.3	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 20000	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 18000	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 5000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 4000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 12000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 9000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 8000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 6000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 5000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3000	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	97.5	97.5	97.5
≥ 2500	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	98.0	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GL 4AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 EL MENDORE AFB AK

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 18000	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 16000	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 14000	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 12000	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 10000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000	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	50.9
≥ 8000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 7000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 6000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2
≥ 5000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.8
≥ 4500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8
≥ 4000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
≥ 3500	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
≥ 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
≥ 2000	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
≥ 1500	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6
≥ 1000	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
≥ 800	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.8
≥ 700	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 600	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 500	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 400	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 300	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 200	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 50	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 0	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 20000	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 18000	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 16000	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 14000	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 12000	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 10000	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 9000	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 5000	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 4000	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3000	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1600	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1400	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	98.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	98.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	98.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	98.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	98.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	98.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	98.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	98.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	98.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	98.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	98.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	98.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720

ELMENDORF AFB, AK

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥20000	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥18000	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥16000	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥14000	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥12000	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥10000	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	50.9
≥9000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥8000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥7000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥6000	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	79.6
≥5000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥4500	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥4000	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	94.3
≥3500	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥3000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥2500	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥2000	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥1800	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥1500	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥1200	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥1000	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥900	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥800	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥700	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥600	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥50	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥20	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 20000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 18000	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 16000	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 14000	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 12000	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 10000	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 8000	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 6000	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 5000	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0
≥ 4500	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 4000	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3500	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5
≥ 3000	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2500	96.8	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 1800	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6
≥ 1200	98.1	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	98.3	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	98.3	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	98.4	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 700	98.4	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.5	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 500	98.5	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 300	98.6	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	98.6	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	98.6	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	98.6	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 272C ELMENDORF AFB AK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 18000	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 16000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 12000	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 10000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 9000	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 8000	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 7000	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 6000	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4500	81.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4000	85.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500	89.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	92.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	93.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	95.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	95.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	95.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	95.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	96.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	96.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	96.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
SOLR

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
≥ 20000	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 18000	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 16000	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 14000	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 12000	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 10000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 9000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 8000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 6000	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 5000	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	77.3	77.3
≥ 4500	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	85.8	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	88.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	92.3	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2500	93.8	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	94.9	96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	95.1	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	96.3	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	96.8	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	97.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	97.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	97.2	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	97.2	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	97.2	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	97.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	29.8	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 20000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 18000	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 16000	35.7	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 14000	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 12000	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 10000	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 9000	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 8000	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 7000	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	78.8	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
≥ 4500	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000	86.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	88.2	89.9	90.0	90.0	90.1	90.1	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000	89.6	91.2	91.3	91.3	91.4	91.4	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	90.8	92.7	92.8	92.8	92.9	92.9	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	92.2	94.2	94.4	94.4	94.6	94.6	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	92.4	94.6	94.9	94.9	95.0	95.0	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	93.7	96.0	96.3	96.3	96.4	96.4	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	94.2	96.6	96.9	96.9	97.1	97.1	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	94.6	97.3	97.7	97.7	98.0	98.0	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	94.6	97.7	98.0	98.0	98.3	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	95.1	98.0	98.3	98.3	98.7	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	95.1	98.0	98.3	98.3	98.8	98.8	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.4	98.4	98.8	98.8	99.2	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	95.6	98.6	98.9	98.9	99.0	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	95.7	98.7	99.0	99.1	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.7	98.7	99.0	99.1	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.7	98.7	99.0	99.1	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.7	98.7	99.0	99.1	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.7	98.7	99.0	99.1	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 18000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 14000	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 12000	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 10000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 9000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 6000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 5000	78.9	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
≥ 4500	82.7	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	87.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3500	89.1	90.7	90.7	90.7	90.7	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000	90.4	92.0	92.0	92.0	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	92.3	94.3	94.3	94.3	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000	94.2	96.2	96.2	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	95.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	96.2	98.3	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	96.3	98.6	98.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	96.7	99.2	99.2	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	96.7	99.2	99.2	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	96.7	99.2	99.2	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	96.8	99.3	99.3	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	96.8	99.3	99.3	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	97.1	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.1	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.1	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.1	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.1	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.1	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 ELMENDORF AFB AK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥20000	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥18000	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥16000	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥14000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥12000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥10000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥8000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥6000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥2000	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥1000	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥500	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥200	91.1	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥100	92.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥50	94.1	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥25	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥15	97.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥10	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥5	98.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥2	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0.5	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0.25	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0.15	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0.1	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0.05	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.01	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.005	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.001	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.0005	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.0001	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.00005	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.00001	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

CEILING VERSUS VISIBILITY

73-82

1500-1700

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMHENDORF AFB AK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005	≥ .0025	≥ .001
≥ 20000	37.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 18000	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 16000	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 14000	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 12000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 10000	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 9000	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 8000	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 7000	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 6000	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	73.9	73.9
≥ 5000	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 4000	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	91.7	91.7
≥ 3500	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000	97.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1600	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1400	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	28.7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 20000	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 18000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 6000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 14000	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 2000	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 10000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 9000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 8000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500	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	86.9
≥ 4000	90.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	92.7	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	94.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	96.3	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	96.8	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	96.8	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	97.1	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	99.4	99.4
≥ 1200	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-720 ELMENDORF AFB AK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 20000	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 18000	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 16000	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 14000	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 12000	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 10000	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 8000	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	60.8
≥ 7000	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 6000	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	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	82.0	82.0	82.0
≥ 4500	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3500	91.6	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	93.5	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
≥ 2500	94.8	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	95.9	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	96.1	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	96.8	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	97.0	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	97.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	97.2	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	97.3	99.3	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.3	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	97.3	99.4	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	97.4	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.4	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.4	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.4	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.4	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	97.4	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20	97.4	99.6	99.8	99.8	99.9	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 7200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	28.7	28.7	28.7	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 2000	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 1800	33.7	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 1600	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 1400	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 1200	35.5	35.5	35.5	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 1000	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 900	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 800	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 700	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 600	59.9	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 500	71.2	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4500	77.2	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	80.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	83.7	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	87.4	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	89.1	92.3	92.4	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	89.9	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4
≥ 1800	90.1	93.5	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
≥ 1600	91.1	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
≥ 1400	91.7	95.5	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
≥ 1200	92.3	96.3	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8
≥ 1000	92.6	96.7	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
≥ 900	92.7	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 800	92.7	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 700	92.8	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 600	93.0	98.2	98.5	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 500	93.2	98.4	98.7	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
≥ 400	93.3	98.6	98.9	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 300	93.3	98.6	99.0	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 200	93.3	98.6	99.0	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	93.3	98.6	99.0	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

111

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
27000	27.1	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
26000	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
25000	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
24000	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
23000	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
22000	33.8	33.8	33.8	33.8	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.1	34.1	34.1
21000	39.0	39.0	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.4	39.4	39.4
20000	41.6	41.6	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	41.9
19000	48.6	48.7	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0
18000	54.7	54.8	54.9	54.9	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3
17000	58.9	59.5	59.6	59.6	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9
16000	69.4	70.4	70.5	70.5	70.5	70.6	70.6	70.8	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0
15000	74.3	75.9	76.1	76.2	76.2	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7
14000	77.7	80.2	80.4	80.5	80.5	80.6	80.6	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0
13000	80.8	84.0	84.2	84.3	84.3	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
12000	83.2	86.8	87.1	87.2	87.2	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6
11000	84.9	88.8	89.1	89.2	89.2	89.4	89.5	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
10000	85.9	90.3	91.1	91.2	91.2	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7
9000	86.0	90.5	91.3	91.4	91.4	91.5	91.6	91.7	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9
8000	87.2	91.8	92.7	92.8	92.8	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
7000	87.6	92.6	93.5	93.7	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4
6000	87.8	92.8	94.7	94.1	94.6	94.8	95.1	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6
5000	88.7	93.8	95.1	95.2	95.7	95.9	96.2	96.5	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
4000	88.9	94.1	95.4	95.5	96.0	96.2	96.6	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2
3000	88.9	94.1	95.5	95.6	96.1	96.3	96.7	97.0	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3
2000	89.2	94.6	96.0	96.1	96.7	96.9	97.2	97.5	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8
1500	89.5	95.1	96.7	96.8	97.3	97.5	98.0	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
1000	89.8	95.5	97.1	97.2	97.7	98.0	98.4	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
500	89.8	95.6	97.5	97.6	98.3	98.5	98.9	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
200	89.8	95.6	97.5	97.6	98.3	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
100	89.8	95.6	97.5	97.6	98.3	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
50	89.8	95.6	97.5	97.6	98.3	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
0	89.8	95.6	97.5	97.6	98.3	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0630-2800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.9	26.9	27.1	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 20000	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 18000	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 16000	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 14000	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 12000	33.3	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 10000	40.6	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 9000	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 8000	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 7000	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3
≥ 6000	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2
≥ 5000	70.2	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	74.4	75.2	75.5	75.6	75.6	75.6	75.6	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000	77.5	78.7	79.2	79.4	79.4	79.4	79.4	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3500	79.5	81.0	81.5	81.7	81.7	81.7	81.7	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	82.4	84.4	85.2	85.4	85.4	85.4	85.4	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	83.5	86.1	87.1	87.5	87.5	87.5	87.5	87.7	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	84.7	87.6	88.7	89.1	89.1	89.1	89.1	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	84.9	87.8	88.9	89.4	89.4	89.4	89.4	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1600	86.7	89.2	90.4	90.9	90.9	90.9	91.0	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1400	87.2	90.9	92.2	92.6	92.6	92.6	92.7	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	88.3	92.0	93.3	93.9	94.0	94.0	94.1	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	88.6	92.4	93.7	94.2	94.3	94.4	94.5	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900	88.7	92.7	94.1	94.6	94.7	94.8	94.9	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	89.2	93.2	94.9	95.6	95.9	96.0	96.1	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	89.6	94.1	95.8	96.6	97.1	97.2	97.3	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	89.9	94.5	96.5	97.2	98.0	98.1	98.2	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	90.0	94.6	96.6	97.3	98.1	98.2	98.4	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	90.1	94.7	96.8	97.5	98.4	98.5	98.7	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	90.1	94.7	96.8	97.5	98.4	98.5	98.7	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.1	94.7	96.8	97.5	98.4	98.5	98.7	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.1	94.7	96.8	97.5	98.4	98.5	98.7	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.1	94.7	96.8	97.5	98.4	98.5	98.7	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 0720

ELMENDORF AFB AK

73-82

101

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 20000	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 18000	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 16000	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 14000	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 12000	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 10000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 9000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 8000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 7000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 6000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4500	76.3	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	79.7	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3500	81.8	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
≥ 3000	84.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	85.7	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	87.5	89.8	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	87.8	90.2	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1600	90.0	92.7	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1400	91.8	95.2	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	91.8	95.4	96.0	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	91.9	95.5	96.1	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	92.5	96.6	97.2	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	93.1	97.3	98.1	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	93.2	97.8	98.8	99.0	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	93.3	98.0	99.0	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	93.4	98.1	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.4	98.1	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.4	98.1	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.4	98.1	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.4	98.1	99.1	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.4	98.1	99.1	99.4	99.9	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 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 3720 ELMDORF AFB AK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	32.1	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.2
8000	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.8
6000	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4
4000	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7
2000	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.5
1000	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.7
800	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.0
600	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.6
400	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1
200	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	63.0
100	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4
80	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
60	82.3	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2
40	84.7	85.8	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	86.1
20	88.0	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1
10	89.7	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6
8	90.9	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0
6	91.9	94.6	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	95.2
4	92.5	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
2	94.2	97.2	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
1	94.6	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
0.8	95.3	98.5	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
0.6	95.5	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
0.4	95.5	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
0.2	95.5	98.9	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
0.1	95.5	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0.08	95.5	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0.06	95.5	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0.04	95.5	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0.02	95.5	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0.01	95.5	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 20000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 18000	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 16000	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 14000	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 12000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 10000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 9000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 8000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 7000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000	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
≥ 5000	80.8	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	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000	88.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	90.3	91.6	91.6	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	92.8	94.4	94.4	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
≥ 2500	93.8	95.5	95.5	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
≥ 2000	94.9	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	94.9	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	95.8	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	96.2	98.5	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
≥ 1000	96.5	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	96.6	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	96.6	98.9	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	96.6	98.9	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	96.6	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.6	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.6	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.6	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.6	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.6	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.6	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2720

ELMENDORF AFB AK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2200

		VISIBILITY STATUTE MILES															
		20	20	25	24	23	22	22	2	21	21	21	21	2	25	24	20
1	1000	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
2	800	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
3	600	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
4	400	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
5	200	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
6	100	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
7	50	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
8	30	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
9	15	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	58.6	58.6	58.6
10	10	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
11	5	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
12	3	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
13	2	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
14	1	90.1	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
15	0.5	91.2	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
16	0.2	93.2	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
17	0.1	94.3	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
18	0.05	95.1	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
19	0.02	95.2	96.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
20	0.01	96.5	97.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
21	0.005	96.7	98.1	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
22	0.002	96.8	98.2	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
23	0.001	96.9	98.3	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
24	0.0005	96.9	98.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
25	0.0002	96.9	98.5	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
26	0.0001	96.9	98.7	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
27	0.00005	96.9	98.7	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
28	0.00002	96.9	98.7	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
29	0.00001	96.9	98.7	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30	0.000005	96.9	98.7	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 2000	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 1800	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 1600	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 1400	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 1200	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 1000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 800	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 600	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 400	60.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 200	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 100	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 50	83.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 25	85.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 15	88.3	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
≥ 10	90.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 5	92.3	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3	92.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2	93.7	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1	94.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ .5	94.4	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ .3	94.6	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ .2	94.9	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ .1	94.9	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ .05	95.1	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ .03	95.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ .01	95.5	98.5	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
≥ .005	95.5	98.5	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
≥ .003	95.6	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ .001	95.6	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ .0005	95.6	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ .0001	95.6	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1720

ELMENDORF AFB AK

73-82

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

		VISIBILITY STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1	1000	29.9	29.9	29.9	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	900	33.3	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
3	800	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
4	700	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
5	600	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7
6	500	38.1	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
7	400	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
8	300	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8
9	200	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8
10	100	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5
11	50	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4
12	30	75.7	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
13	15	79.9	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
14	10	83.0	84.3	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
15	5	85.4	87.2	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
16	2	87.9	90.1	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
17	1	89.3	91.7	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
18	0	90.4	92.9	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
19	0	90.6	93.2	93.7	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
20	0	91.9	94.7	95.2	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
21	0	92.5	95.5	96.2	96.3	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7
22	0	92.9	96.1	96.8	96.9	97.1	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
23	0	93.3	96.5	97.1	97.2	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
24	0	93.3	96.8	97.4	97.6	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
25	0	93.5	97.0	97.8	98.0	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6
26	0	93.6	97.4	98.3	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
27	0	93.8	97.6	98.6	98.8	99.1	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
28	0	93.9	97.7	98.7	98.9	99.3	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
29	0	93.9	97.8	98.8	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30	0	93.9	97.8	98.8	99.1	99.4	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
31	0	93.9	97.8	98.8	99.1	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

CLIMATE CLIMATOLOGY BRANCH
CAPETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 ELMENDORF AFB AK

73-82

ALC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	35.7	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9	36.9
1800	38.1	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.0	39.0
1600	38.7	39.5	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7	39.7
1400	38.7	39.5	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7	39.7
1200	39.5	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4	40.4
1000	41.4	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4
800	45.1	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0
600	46.5	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4
400	52.5	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5
200	58.7	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
100	62.7	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8
50	74.1	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0
25	76.7	78.6	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
10	81.6	84.0	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.6	84.6
5	84.3	87.7	88.7	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.4	88.4
2	86.3	90.5	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3
1	87.2	91.8	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.6	92.6
0	89.4	94.8	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.8	95.8
2000	89.5	95.1	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0
1800	89.6	95.7	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8
1600	89.8	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1
1400	89.8	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1
1200	89.8	96.1	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2
1000	89.8	96.1	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2
800	89.9	96.2	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.3	97.3
600	90.4	96.8	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8
400	90.5	97.0	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2
200	90.5	97.0	98.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7
100	90.5	97.1	98.2	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	99.0	99.0
50	90.5	97.1	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2
25	90.5	97.1	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2
10	90.5	97.1	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2
5	90.5	97.1	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2
2	90.5	97.1	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2
0	90.5	97.1	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720

ELMENDORF AFB AK

73-82

ANC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

327-5500

		VISIBILITY (STATUTE MILES)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1000	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
900	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
800	34.9	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
700	34.9	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
600	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
500	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
400	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
300	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
200	47.8	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
100	54.6	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
000	59.5	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
900	69.7	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
800	74.1	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	75.6	75.6	75.6	75.6
700	79.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
600	81.1	83.4	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	83.8	83.8	83.8	83.8	83.8
500	82.7	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	85.6	85.6	85.6	85.6
400	83.9	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
300	86.0	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
200	86.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
100	87.2	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
000	87.7	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
900	88.3	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
800	88.2	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
700	88.5	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
600	88.6	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
500	88.7	93.8	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	94.3	94.3	94.3	94.3
400	88.9	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
300	89.0	94.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
200	89.0	94.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
100	89.1	94.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
000	89.1	94.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
900	89.0	94.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720 ELMENDORF AFB AK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥ 20000	30.5	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.3
18000	33.4	33.7	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.2
16000	34.2	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.9
14000	34.4	34.6	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.2
12000	35.1	35.3	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.8
10000	36.2	36.4	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.9
8000	41.7	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.7
6000	42.6	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.3
4000	51.8	52.0	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.6
2000	59.1	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.1
1000	61.8	62.4	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	62.9
500	69.5	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3
200	74.3	76.0	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.8
100	78.0	79.9	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.6
50	79.6	81.6	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.5
20	81.8	84.3	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.3
10	82.4	84.9	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.9
5	83.8	86.6	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6
2	84.0	86.8	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.8
1	85.7	88.8	89.1	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.1
0.5	86.7	89.1	89.6	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.4
0.2	87.3	90.4	90.9	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9
0.1	87.3	90.8	91.2	91.3	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.4
0.05	87.4	91.4	91.9	92.0	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.4
0.02	88.1	92.0	92.7	92.8	93.5	93.5	93.8	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.3
0.01	88.4	92.0	93.7	93.9	94.6	94.6	94.8	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.6
0.005	88.9	93.7	94.3	94.5	95.7	95.7	95.9	96.1	96.2	96.2	96.2	96.3	96.3	96.5	96.5	97.0
0.002	89.0	94.0	94.7	95.1	96.2	96.3	96.8	97.4	97.6	97.6	97.6	97.7	97.8	98.2	98.2	99.0
0.001	89.0	94.0	94.7	95.2	96.5	96.6	97.2	97.8	98.1	98.1	98.1	98.3	98.4	98.7	98.7	99.6
0.0005	89.1	94.0	94.7	95.2	96.5	96.6	97.3	98.1	98.3	98.3	98.3	98.5	98.7	99.0	99.0	99.9
0.0002	89.1	94.0	94.7	95.2	96.5	96.6	97.3	98.1	98.3	98.3	98.3	98.5	98.7	99.0	99.0	99.9
0.0001	89.0	94.0	94.7	95.2	96.5	96.6	97.3	98.1	98.3	98.3	98.3	98.5	98.7	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720

ELMENDORF AFB AK

73-82

ALC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.03	≥0.01
NO CEILING	32.6	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥20000	30.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥18000	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥16000	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥14000	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥12000	41.1	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥10000	44.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥8000	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥6000	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥4000	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥2000	67.2	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
≥1000	74.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥400	78.1	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
≥200	81.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥100	83.3	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥50	84.6	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥25	85.7	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥10	86.8	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥5	86.9	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥2	88.0	91.3	91.6	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
≥1	88.6	92.3	92.7	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥0.5	89.8	93.7	94.2	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥0.3	90.3	94.4	94.9	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥0.2	90.9	95.4	96.0	96.1	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥0.1	91.3	95.9	96.7	96.8	97.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥0.05	91.3	96.2	97.0	97.1	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥0.03	91.5	96.7	97.6	97.7	98.0	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥0.01	91.6	97.1	98.1	98.2	98.5	98.6	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥0.005	91.6	97.3	98.3	98.4	98.7	98.9	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0.003	91.6	97.3	98.3	98.4	98.7	98.9	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0.001	91.6	97.3	98.3	98.4	98.7	98.9	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720 ELMENDORF AFB AK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO. FILLING	35.6	35.8	35.9	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
1 20000	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 18000	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 6000	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 14000	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
2 12000	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2 10000	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
2 8000	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
2 6000	60.5	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
2 4000	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	66.7	66.7	66.7
2 3000	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
2 2000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2 1500	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2 1000	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2 750	86.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2 500	88.5	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
2 250	89.7	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	91.3	91.3
2 100	91.0	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2 50	91.0	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
2 25	91.9	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	94.4
2 10	93.3	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
2 5	93.9	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
2 2	94.1	97.2	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2 1	94.5	98.0	98.5	98.5	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2 .5	94.8	98.3	98.9	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2 .25	94.8	98.3	98.9	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2 .1	94.9	98.6	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 .05	95.1	98.7	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 .03	95.1	98.7	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 .01	95.1	98.7	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 .005	95.1	98.7	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 0720 ELMENDORF AFB AK

73-82

AKC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0.001
NO CEILING	36.9	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥20000	41.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥8000	42.4	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥5000	42.4	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥4000	43.7	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥3000	46.1	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥2000	51.9	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥1500	54.5	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥1000	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥700	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	69.8	69.8
≥6000	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥5000	84.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥4500	87.7	87.8	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
≥4000	90.5	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥3500	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	91.9	91.9	91.9
≥3000	92.7	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
≥2500	93.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥2000	94.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥1800	94.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥1600	95.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥1400	96.3	97.7	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥1200	96.3	98.1	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥1000	96.3	98.1	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥800	96.3	98.3	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
≥700	96.6	98.6	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥600	96.6	98.6	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥500	96.7	98.9	99.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	96.7	98.9	99.1	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	96.7	98.9	99.2	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	96.7	98.9	99.2	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	96.7	98.9	99.2	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	96.7	98.9	99.2	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
20000	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
18000	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
16000	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
14000	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
12000	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
10000	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
8000	52.5	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	52.8	52.8
6000	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
4000	67.8	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
2000	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
1000	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
500	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
250	91.9	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
100	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
50	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
25	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
10	96.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
5	96.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2	96.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1	96.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0.5	96.8	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0.25	96.9	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.1	97.0	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.05	97.0	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.01	97.0	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.005	97.0	98.9	99.1	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0.002	97.0	98.9	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.001	97.0	98.9	99.2	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0005	97.0	98.9	99.2	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0002	97.0	98.9	99.2	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0001	97.0	98.9	99.2	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

CEILING VERSUS VISIBILITY

Ans

2100-2320

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 ELMENDORF AFB AK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	34.4	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.9
≥ 20000	37.4	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.9
≥ 18000	38.3	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.8
≥ 16000	38.4	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9
≥ 14000	39.4	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9
≥ 12000	41.9	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4
≥ 10000	46.1	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.7
≥ 8000	48.1	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6
≥ 6000	55.6	56.0	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	56.2
≥ 4000	62.3	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9
≥ 3000	67.3	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0
≥ 2000	76.7	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8
≥ 1500	80.8	81.7	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
≥ 1000	84.7	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4
≥ 800	86.2	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3
≥ 600	87.8	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3
≥ 400	88.8	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7
≥ 300	90.2	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6
≥ 200	90.3	93.1	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
≥ 150	91.0	94.2	94.5	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9
≥ 100	91.5	95.0	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 80	91.9	95.6	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
≥ 60	92.1	95.8	96.2	96.3	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8
≥ 40	92.3	96.2	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3
≥ 30	92.5	96.5	96.9	97.0	97.3	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 20	92.8	96.7	97.2	97.3	97.6	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	98.0
≥ 15	92.8	97.0	97.6	97.7	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6
≥ 10	92.9	97.2	97.8	98.0	98.5	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.3	99.4
≥ 8	92.9	97.3	97.9	98.1	98.6	98.7	99.0	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.8
≥ 6	92.9	97.3	98.0	98.2	98.7	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.9
≥ 4	92.9	97.3	98.0	98.2	98.7	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.9
≥ 2	92.9	97.3	98.0	98.2	98.7	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 7880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.03	≥0.01
NO CEILING ≥ 20000	33.0	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 18000	35.2	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 16000	36.1	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 14000	37.1	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 12000	40.2	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 10000	42.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 8000	51.8	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 6000	58.3	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 5000	62.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4000	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	77.7	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
≥ 2500	82.2	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	84.0	86.8	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	86.6	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1600	87.3	91.3	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1400	88.2	92.7	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	88.6	93.7	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	89.1	94.7	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900	89.3	95.0	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	89.7	95.3	95.7	95.7	95.8	95.8	95.8	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	89.9	95.6	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600	89.9	96.0	96.3	96.3	96.4	96.4	96.4	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	89.9	96.1	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 400	90.1	96.4	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	90.6	97.1	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	90.6	97.6	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	90.6	98.0	98.3	98.3	98.6	98.6	98.6	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
≥ 50	90.7	98.4	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	90.7	98.4	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2720 ELMENDORF AFB AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
20000	29.3	29.8	29.8	29.8	29.8	29.8	29.9	29.9	29.9	30.0	30.1	30.1	30.1	30.1	30.2	30.3
18000	31.3	31.8	31.8	31.8	31.8	31.8	31.9	31.9	31.9	32.0	32.1	32.1	32.1	32.1	32.2	32.3
16000	32.4	33.0	33.0	33.0	33.0	33.0	33.1	33.1	33.1	33.2	33.3	33.3	33.3	33.3	33.4	33.4
14000	32.4	33.2	33.2	33.2	33.2	33.2	33.3	33.3	33.3	33.4	33.6	33.6	33.6	33.6	33.7	33.8
12000	33.3	34.3	34.3	34.3	34.3	34.3	34.4	34.4	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.9
10000	35.0	35.4	35.4	35.4	35.4	35.4	35.6	35.6	35.6	35.7	35.8	35.8	35.8	35.8	35.9	36.0
8000	37.9	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.6	38.7	38.7	38.7	38.7	38.8	38.9
6000	40.6	41.0	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.2	41.3	41.3	41.3	41.3	41.4	41.6
4000	48.4	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.1	49.2	49.2	49.2	49.2	49.3	49.4
2000	55.7	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.6	56.7
1000	61.1	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.8	61.9	61.9	61.9	61.9	62.0	62.1
500	72.9	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.9	74.0	74.0	74.0	74.0	74.1	74.2
250	77.2	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.8	78.9	78.9	78.9	78.9	79.0	79.1
150	80.4	83.0	83.1	83.1	83.2	83.2	83.3	83.4	83.4	83.7	83.8	83.8	83.8	83.8	83.9	84.0
100	82.0	84.8	85.1	85.1	85.2	85.2	85.3	85.4	85.4	85.7	85.8	85.8	85.8	85.8	85.9	86.0
75	85.1	88.1	88.4	88.4	88.6	88.6	88.7	88.8	88.8	89.0	89.1	89.1	89.1	89.1	89.2	89.3
50	86.2	89.7	90.0	90.0	90.1	90.1	90.2	90.3	90.3	90.6	90.7	90.7	90.7	90.7	90.8	90.9
25	87.4	91.1	91.4	91.4	91.6	91.6	91.7	91.8	91.8	92.0	92.2	92.2	92.2	92.2	92.3	92.4
15	87.6	91.7	92.0	92.0	92.1	92.1	92.2	92.3	92.3	92.6	92.8	92.8	92.8	92.8	92.9	93.0
10	87.8	92.4	93.0	93.2	93.3	93.3	93.4	93.7	93.7	93.9	94.1	94.1	94.1	94.1	94.2	94.3
7.5	88.1	93.0	93.4	93.7	93.8	93.8	93.9	94.1	94.1	94.3	94.6	94.6	94.6	94.6	94.7	94.8
5	88.2	93.3	93.8	94.0	94.2	94.2	94.3	94.6	94.6	94.8	95.0	95.0	95.0	95.0	95.1	95.2
2.5	88.8	93.7	94.1	94.3	94.6	94.6	94.7	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.4	95.6
1.5	88.7	93.9	94.6	94.8	95.0	95.0	95.1	95.4	95.4	95.7	95.9	95.9	95.9	95.9	96.0	96.1
1	88.7	94.3	95.1	95.2	95.4	95.4	95.7	96.0	96.0	96.2	96.4	96.4	96.4	96.4	96.6	96.7
0.75	89.2	95.0	95.7	95.9	96.1	96.1	96.3	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.2	97.3
0.5	89.6	95.7	96.3	96.6	96.8	96.8	97.0	97.3	97.3	97.6	97.8	97.8	97.8	97.8	97.9	98.0
0.25	90.1	96.4	97.2	97.4	97.7	97.7	97.9	98.2	98.2	98.4	98.7	98.7	98.7	98.7	98.8	98.9
0.15	90.3	96.9	97.7	97.9	98.1	98.1	98.3	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.3	99.4
0.1	90.2	97.0	97.9	98.1	98.3	98.3	98.6	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.8	100.0
0.05	90.2	97.0	97.9	98.1	98.3	98.3	98.6	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-6800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.9	25.9	26.0
≥ 20000	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.6	28.6	28.6	28.6	28.6	28.6	28.7	28.7	28.8
≥ 18000	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.3
≥ 16000	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.6
≥ 14000	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.4
≥ 12000	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0	34.1
≥ 10000	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.6	39.6	39.7
≥ 9000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.2
≥ 8000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	52.1	52.1	52.3
≥ 7000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.7	58.7	58.9
≥ 6000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.8	63.8	64.0
≥ 5000	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.7
≥ 4500	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	78.9
≥ 4000	82.3	82.8	83.1	83.1	83.3	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.8	83.8	84.0
≥ 3500	83.3	83.9	84.7	84.7	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.3	85.6
≥ 3000	84.2	85.1	86.0	86.0	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7	86.9
≥ 2500	85.3	86.6	87.4	87.4	87.7	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.3
≥ 2000	87.2	89.2	90.3	90.3	90.6	90.6	90.6	90.8	90.9	90.9	90.9	90.9	90.9	91.1	91.1	91.3
≥ 1800	87.3	89.6	90.7	90.7	90.9	90.9	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.4	91.4	91.7
≥ 1500	88.0	90.8	91.9	92.1	92.4	92.6	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.3	93.3	93.6
≥ 1200	88.1	91.0	92.2	92.8	93.3	93.4	93.4	93.8	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.4
≥ 1000	88.2	91.1	92.4	93.0	93.6	93.7	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.4	94.4	94.7
≥ 900	88.2	91.1	92.4	93.0	93.6	93.7	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.4	94.4	94.7
≥ 800	88.2	91.2	92.6	93.1	93.7	93.8	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.6	94.6	94.8
≥ 700	88.2	91.7	93.0	93.6	94.2	94.3	94.3	94.8	94.9	94.9	94.9	94.9	94.9	95.3	95.3	95.6
≥ 600	88.6	92.0	93.3	93.9	94.6	94.7	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.6
≥ 500	89.1	92.7	94.1	94.7	95.4	95.6	95.6	96.0	96.1	96.3	96.6	96.6	96.6	97.1	97.1	97.3
≥ 400	89.4	93.1	94.8	95.3	96.1	96.2	96.2	96.7	96.8	97.0	97.2	97.3	97.3	97.9	97.9	98.1
≥ 300	89.6	93.2	94.9	95.4	96.2	96.3	96.7	97.1	97.2	97.4	97.7	97.8	97.8	98.3	98.3	98.6
≥ 200	89.6	93.2	95.0	95.7	96.4	96.7	97.0	97.4	97.6	97.8	98.0	98.1	98.1	98.7	98.7	99.0
≥ 100	89.6	93.2	95.0	95.7	96.4	96.7	97.0	97.4	97.6	97.8	98.0	98.1	98.1	98.7	98.7	99.0
≥ 0	89.6	93.2	95.0	95.7	96.4	96.7	97.0	97.4	97.6	97.8	98.0	98.1	98.1	98.7	98.7	99.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7200 ELMENDORF AFB AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO. CEILING	29.1	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
1 20000	33.1	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
2 18000	35.3	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2 16000	35.3	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2 14000	36.3	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2 12000	39.1	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
2 10000	43.3	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2 9000	48.1	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
2 8000	58.0	58.6	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
2 7000	63.4	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
2 6000	70.2	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
2 5000	78.1	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
2 4500	82.8	83.6	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2 4000	87.0	88.2	88.4	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
2 3500	88.3	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2 3000	89.7	91.2	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2 2500	90.4	92.0	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
2 2000	90.9	93.1	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2 1800	91.0	93.4	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
2 1600	91.1	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2 1400	91.4	95.0	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
2 1200	91.7	95.4	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2 1000	91.7	95.4	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2 900	91.7	95.4	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2 800	91.9	95.9	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2 700	91.9	96.0	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2 600	92.4	96.6	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2 500	93.0	97.1	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 400	93.0	97.3	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2 300	93.1	97.4	98.3	98.6	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.2	99.3	99.4	99.7	99.7
2 200	93.1	97.4	98.4	98.7	99.0	99.0	99.0	99.1	99.2	99.2	99.3	99.6	99.7	99.8	100.0	100.0
2 100	93.1	97.4	98.4	98.7	99.0	99.0	99.0	99.1	99.2	99.2	99.3	99.6	99.7	99.8	100.0	100.0
2 50	93.1	97.4	98.4	98.7	99.0	99.0	99.0	99.1	99.2	99.2	99.3	99.6	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720 ELMENDORF AFB AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	22	21	21	20	20	19	19	18	18	17
10000	31.4	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
9000	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
8000	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
7000	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
6000	38.2	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
5000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
4000	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
3000	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
2000	59.7	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
1000	67.1	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
800	70.8	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
700	80.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
600	84.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
500	89.6	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
400	90.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
300	92.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
200	92.8	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
100	93.3	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
80	93.3	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
70	93.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
60	94.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
50	94.0	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	98.3	98.3
40	94.0	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	98.3	98.3
30	94.1	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
20	94.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
10	94.3	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
5	94.4	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	94.4	98.9	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
30	94.4	98.9	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
20	94.4	98.9	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
10	94.4	98.9	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
5	94.4	98.9	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥2000	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
1800	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
1600	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
1400	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
1200	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
1000	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
800	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
600	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
400	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
200	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	71.9	71.9	71.9
100	80.9	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
50	85.9	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
25	91.1	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
15	92.6	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
10	93.8	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
5	94.3	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
3	95.0	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2	95.1	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
1	95.3	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	96.0	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0	96.0	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0	96.1	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0	96.1	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	96.3	98.3	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	96.3	98.3	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	96.7	98.7	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	96.7	98.7	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	96.7	98.7	99.3	99.6	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	96.7	98.7	99.3	99.6	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	96.7	98.7	99.3	99.6	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 900

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 0720

ELMENDORF AFB AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

1300-2000

CEILING FEET		VISIBILITY - STATUTE MILES															
		20	26	31	34	36	37	38	39	40	41	42	43	44	45	46	47
1000	1000	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
900	900	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
800	800	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
700	700	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
600	600	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
500	500	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
400	400	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
300	300	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
200	200	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	56.6	56.6
100	100	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
0	0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
9000	9000	81.3	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	82.0	82.0
8000	8000	86.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
7000	7000	92.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
6000	6000	91.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
5000	5000	92.3	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
4000	4000	93.7	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
3000	3000	94.8	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2000	2000	94.3	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1000	1000	94.9	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	0	95.1	97.6	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
9000	9000	95.2	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
8000	8000	95.2	98.0	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
7000	7000	95.2	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
6000	6000	95.2	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
5000	5000	95.3	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
4000	4000	95.4	98.2	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3000	3000	95.4	98.2	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2000	2000	95.4	98.3	99.2	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
1000	1000	95.4	98.3	99.2	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
0	0	95.4	98.3	99.2	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

TOTAL NUMBER OF OBSERVATIONS 900

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

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICES/MAC

CEILING VERSUS VISIBILITY

73-720 ELMENDORF AFB, AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
1800	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
1600	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
1400	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
1200	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
1000	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
800	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
600	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
400	55.4	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
200	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
100	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
50	75.4	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
25	82.8	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
15	88.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
10	89.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
5	90.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2	91.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1	92.2	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	92.4	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0	93.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	93.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	93.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	93.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
0	93.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	93.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	93.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	94.1	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	94.2	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	94.3	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	94.2	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	94.2	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	94.2	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720 ELMENDORF AFB AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. HOURS	30.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2
1 2000	33.5	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.9	33.9
2 1800	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
3 1600	35.2	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.6
4 1400	36.1	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.5	36.5
5 1200	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4
6 1000	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.7
7 800	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.8
8 600	54.9	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5
9 400	62.3	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9
10 2000	67.2	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
11 1800	76.8	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9
12 1600	82.0	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4
13 1400	86.4	88.2	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.7
14 1200	87.9	89.6	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3
15 1000	89.4	91.5	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.2	92.2
16 800	90.2	92.7	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.4	93.5
17 600	91.1	94.1	94.5	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9
18 400	91.3	94.4	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.2	95.2
19 2000	91.6	95.2	95.6	95.7	95.8	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.1	96.1
20 1800	91.9	95.6	96.1	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.6	96.7
21 1600	92.0	95.8	96.3	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9
22 1400	92.2	95.9	96.5	96.6	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1
23 1200	92.2	96.1	96.8	96.9	97.0	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4
24 1000	92.3	96.3	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.7
25 800	92.5	96.6	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.8	97.9	97.9	97.9	97.9	98.0	98.0
26 600	92.9	97.1	97.8	98.0	98.2	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.7	98.8
27 400	93.0	97.4	98.2	98.4	98.6	98.7	98.7	98.8	98.9	98.9	99.1	99.1	99.2	99.2	99.2	99.3
28 2000	93.0	97.6	98.3	98.6	98.8	98.8	99.0	99.1	99.1	99.2	99.3	99.4	99.5	99.5	99.5	99.6
29 1800	93.0	97.7	98.4	98.7	98.9	99.0	99.1	99.3	99.3	99.4	99.6	99.6	99.7	99.7	99.8	99.9
30 1600	93.0	97.7	98.4	98.7	98.9	99.0	99.1	99.3	99.3	99.4	99.6	99.6	99.7	99.7	99.8	100.0
31 1400	93.1	97.7	98.4	98.7	98.9	99.0	99.1	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-720 ELMENDORF AFB AK

73-82

061

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2400

ELEVATION FEET	VISIBILITY STATUTE MILES																
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
10000	31.2	31.7	31.7	31.8	31.8	31.8	31.9	31.9	31.9	31.9	32.0	32.0	32.2	32.3	32.3	32.4	32.4
9000	31.1	32.4	32.4	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.7	32.7	32.8	32.9	32.9	33.0	33.0
8000	32.2	32.7	32.7	32.8	32.8	32.8	32.9	32.9	32.9	32.9	33.0	33.0	33.1	33.2	33.2	33.3	33.3
7000	32.4	32.9	32.9	33.0	33.0	33.0	33.1	33.1	33.1	33.1	33.2	33.2	33.3	33.4	33.4	33.5	33.5
6000	32.5	33.0	33.0	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.3	33.3	33.4	33.5	33.5	33.7	33.7
5000	34.4	35.2	35.2	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.5	35.5	35.6	35.7	35.7	35.8	35.8
4000	37.1	37.7	37.7	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.1	38.1	38.2	38.3	38.3	38.4	38.4
3000	39.2	39.9	39.9	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.2	40.2	40.3	40.4	40.4	40.5	40.5
2000	43.4	44.1	44.1	44.2	44.5	44.5	44.6	44.6	44.6	44.6	44.7	44.7	44.8	44.9	44.9	45.1	45.1
1000	48.7	48.6	48.6	48.7	49.0	49.0	49.1	49.1	49.1	49.1	49.2	49.2	49.4	49.5	49.5	49.6	49.6
500	52.2	52.9	52.9	53.0	53.3	53.3	53.5	53.7	53.7	53.7	53.8	53.8	53.9	54.0	54.0	54.1	54.1
0	60.1	61.4	61.5	61.6	62.0	62.0	62.3	62.5	62.5	62.5	62.6	62.6	62.8	62.9	62.9	63.0	63.0
9000	63.8	65.3	65.5	65.6	66.0	66.0	66.2	66.5	66.5	66.5	66.6	66.6	66.8	66.9	66.9	67.1	67.1
8000	67.8	69.9	70.1	70.2	70.6	70.6	70.9	71.1	71.1	71.1	71.2	71.2	71.4	71.5	71.5	71.7	71.7
7000	69.1	71.6	71.8	71.9	72.4	72.4	72.7	72.9	72.9	72.9	73.0	73.0	73.2	73.3	73.3	73.7	73.7
6000	71.5	74.3	74.6	74.8	75.3	75.3	75.6	75.8	75.8	75.8	75.9	75.9	76.1	76.2	76.2	76.6	76.6
5000	73.3	76.9	77.3	77.5	78.0	78.0	78.3	78.5	78.5	78.5	78.6	78.6	78.8	78.9	78.9	79.2	79.2
4000	74.6	76.9	79.4	79.6	80.0	80.0	80.3	80.5	80.5	80.5	80.6	80.6	80.9	81.0	81.0	81.3	81.3
3000	75.3	79.7	80.1	80.3	80.9	80.9	81.3	81.5	81.5	81.5	81.6	81.6	81.8	81.9	81.9	82.3	82.3
2000	75.8	81.1	81.9	82.3	82.8	82.8	83.2	83.4	83.4	83.4	83.5	83.5	83.8	83.9	83.9	84.2	84.2
1000	75.9	81.8	82.7	83.0	83.5	83.7	84.2	84.4	84.4	84.4	84.5	84.5	84.7	84.8	84.8	85.2	85.2
0	76.1	82.5	83.5	83.9	84.5	84.6	85.2	85.6	85.6	85.6	85.6	85.7	85.7	85.9	86.0	86.3	86.3
9000	76.5	82.8	83.9	84.2	84.8	84.9	85.5	85.9	85.9	85.9	86.0	86.0	86.2	86.3	86.3	86.7	86.7
8000	76.8	83.1	84.2	84.5	85.2	85.3	85.8	86.2	86.2	86.2	86.3	86.3	86.7	86.8	86.8	87.1	87.1
7000	77.1	83.9	85.1	85.4	86.0	86.1	86.7	87.1	87.1	87.1	87.2	87.2	87.5	87.6	87.6	88.0	88.0
6000	77.4	84.9	86.5	87.2	87.8	88.0	88.6	89.1	89.1	89.1	89.6	89.6	90.1	90.2	90.2	90.5	90.5
5000	78.0	86.0	88.0	88.8	90.0	90.1	91.0	91.6	91.6	91.6	92.3	92.3	93.0	93.1	93.1	93.5	93.5
4000	78.5	87.1	89.0	89.9	91.3	91.5	92.6	93.2	93.2	93.2	94.2	94.2	94.9	95.1	95.1	95.7	95.7
3000	78.7	88.2	90.3	91.2	92.7	93.2	94.4	95.1	95.1	95.1	95.4	96.2	96.2	97.3	97.6	98.0	98.6
2000	78.7	88.2	90.5	91.4	92.9	93.4	94.6	95.3	95.3	95.3	95.8	96.7	96.7	97.8	98.2	98.8	99.6
1000	78.7	88.2	91.5	91.4	92.9	93.4	94.6	95.3	95.3	95.3	95.8	96.7	96.7	97.8	98.2	98.9	100.0
0	78.7	88.2	91.5	91.4	92.9	93.4	94.6	95.3	95.3	95.3	95.8	96.7	96.7	97.8	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720 ELMENDORF AFB AK

73-82

001

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500

		VISIBILITY - STATUTE MILES															
		20	20	21	24	27	30	33	36	39	42	45	48	51	54	57	60
1000	FEET	28.4	29.4	29.5	29.5	29.7	29.7	29.8	29.8	29.8	29.8	29.9	29.9	30.0	30.0	30.0	30.3
900	FEET	29.1	30.1	30.2	30.2	30.4	30.4	30.5	30.5	30.5	30.5	30.6	30.6	30.8	30.8	30.8	31.1
800	FEET	29.7	30.6	30.6	30.8	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.3	31.3	31.3	31.6
700	FEET	29.7	30.6	30.6	30.8	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.3	31.3	31.3	31.6
600	FEET	29.7	30.6	30.6	30.8	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.3	31.3	31.3	31.6
500	FEET	31.2	32.2	32.3	32.3	32.5	32.5	32.6	32.6	32.6	32.6	32.7	32.7	32.8	32.8	32.8	33.1
400	FEET	34.4	35.4	35.5	35.5	35.7	35.7	35.8	35.8	35.8	35.8	35.9	35.9	36.0	36.0	36.0	36.3
300	FEET	37.0	38.0	38.1	38.1	38.3	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.6	38.6	38.6	38.9
200	FEET	41.4	42.4	42.5	42.5	42.7	42.7	42.8	42.8	42.8	42.8	42.9	43.0	43.1	43.1	43.1	43.4
100	FEET	46.3	47.3	47.4	47.4	47.6	47.6	47.7	47.7	47.7	47.7	47.8	48.0	48.1	48.1	48.1	48.4
0	FEET	50.9	51.8	51.9	51.9	52.2	52.2	52.3	52.4	52.4	52.5	52.7	52.8	52.9	52.9	52.9	53.2
1000	FEET	58.3	59.6	59.7	59.7	59.9	59.9	60.0	60.1	60.1	60.2	60.4	60.5	60.6	60.6	60.6	61.0
900	FEET	61.7	63.0	63.1	63.1	63.3	63.3	63.4	63.5	63.5	63.7	63.9	64.0	64.1	64.1	64.1	64.4
800	FEET	65.7	67.4	67.5	67.5	67.7	67.7	67.8	68.0	68.0	68.1	68.3	68.4	68.5	68.5	68.5	68.8
700	FEET	68.4	70.2	70.4	70.4	70.6	70.6	70.8	70.9	70.9	71.0	71.2	71.3	71.4	71.4	71.4	71.7
600	FEET	69.6	71.8	72.3	72.3	72.5	72.5	72.7	72.8	72.8	72.9	73.1	73.2	73.3	73.3	73.3	73.7
500	FEET	71.4	74.2	74.8	74.8	75.2	75.2	75.4	75.5	75.5	75.6	75.8	75.9	76.0	76.0	76.0	76.3
400	FEET	73.1	77.1	78.1	78.1	78.6	78.6	78.8	79.0	79.0	79.1	79.4	79.5	79.6	79.6	79.6	79.9
300	FEET	73.9	78.3	79.4	79.4	79.9	79.9	80.1	80.3	80.3	80.4	80.6	80.8	80.9	80.9	80.9	81.2
200	FEET	74.4	79.5	80.6	80.6	81.5	81.5	81.7	81.9	81.9	82.0	82.3	82.4	82.5	82.5	82.5	82.8
100	FEET	75.4	81.1	82.3	82.4	83.2	83.2	83.7	84.1	84.1	84.2	84.4	84.5	84.7	84.7	84.7	85.1
0	FEET	75.5	81.4	83.0	83.2	84.2	84.3	84.7	85.2	85.2	85.3	85.5	85.6	85.8	85.8	85.8	86.1
1000	FEET	75.7	81.6	83.2	83.4	84.4	84.5	85.1	85.5	85.5	85.6	85.8	85.9	86.1	86.1	86.1	86.5
900	FEET	76.1	82.3	83.9	84.1	85.1	85.2	85.7	86.2	86.2	86.3	86.6	86.7	86.9	86.9	86.9	87.2
800	FEET	76.5	82.7	84.3	84.6	85.6	85.7	86.5	87.1	87.1	87.4	87.8	88.0	88.3	88.3	88.3	88.7
700	FEET	76.9	83.8	85.5	85.9	87.3	87.4	88.2	88.8	88.8	89.1	89.6	89.8	90.1	90.1	90.1	90.5
600	FEET	77.7	85.4	87.2	87.8	89.9	90.0	90.8	91.7	91.7	92.3	92.8	93.0	93.4	93.4	93.7	94.4
500	FEET	78.3	86.3	88.6	89.4	91.6	91.7	92.5	93.7	93.7	94.3	95.2	95.4	95.9	95.9	96.3	97.1
400	FEET	78.5	87.0	89.4	90.1	92.6	92.7	93.4	94.9	94.9	95.7	96.8	97.0	97.6	97.6	98.1	99.0
300	FEET	78.6	87.1	89.5	90.2	92.7	92.8	93.5	95.1	95.1	95.8	96.9	97.1	98.0	98.1	98.5	99.8
200	FEET	78.6	87.1	89.5	90.2	92.7	92.8	93.5	95.1	95.1	95.8	96.9	97.1	98.0	98.1	98.5	100.0
100	FEET	78.6	87.1	89.5	90.2	92.7	92.8	93.5	95.1	95.1	95.8	96.9	97.1	98.0	98.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 772C ELMENDORF AFB AK

73-82

OCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	23.4	23.7	23.9	23.9	24.1	24.1	24.3	24.3	24.3	24.4	24.6	24.6	24.8	24.9	25.1	25.3
≥18000	25.6	25.8	26.1	26.0	26.2	26.2	26.5	26.5	26.5	26.6	26.8	26.8	27.0	27.1	27.2	27.4
≥16000	26.5	26.7	26.9	26.9	27.1	27.1	27.3	27.3	27.3	27.4	27.6	27.6	27.8	28.0	28.1	28.3
≥14000	26.7	26.9	27.1	27.1	27.3	27.3	27.5	27.5	27.5	27.6	27.8	27.8	28.1	28.2	28.3	28.5
≥12000	27.2	27.4	27.6	27.6	27.8	27.8	28.1	28.1	28.1	28.2	28.4	28.4	28.6	28.7	28.9	29.0
≥10000	28.9	29.1	29.4	29.4	29.6	29.6	29.8	29.8	29.8	29.9	30.1	30.1	30.3	30.4	30.5	30.8
≥8000	32.6	32.8	33.1	33.0	33.2	33.2	33.4	33.4	33.4	33.5	33.8	33.8	34.0	34.1	34.3	34.5
≥6000	34.3	34.5	34.7	34.7	34.9	34.9	35.2	35.2	35.2	35.3	35.5	35.5	35.7	35.8	36.0	36.2
≥4000	41.3	41.5	41.7	41.7	41.9	41.9	42.2	42.2	42.2	42.3	42.5	42.5	42.7	42.8	43.0	43.2
≥2000	46.9	47.0	47.2	47.2	47.4	47.4	47.6	47.6	47.6	47.7	48.0	48.0	48.2	48.3	48.5	48.7
≥1000	51.7	51.9	52.2	52.2	52.4	52.4	52.6	52.6	52.6	52.7	52.9	52.9	53.1	53.2	53.4	53.7
≥500	60.3	60.6	60.9	60.9	61.1	61.1	61.3	61.3	61.3	61.4	61.6	61.6	61.9	62.0	62.3	62.5
≥450	65.1	65.5	65.7	65.7	65.9	65.9	66.1	66.1	66.1	66.2	66.5	66.5	66.8	66.9	67.2	67.4
≥400	69.7	70.1	70.3	70.3	70.6	70.6	71.0	71.1	71.1	71.2	71.4	71.5	71.9	72.0	72.4	72.6
≥350	71.1	72.6	72.9	72.9	73.2	73.3	73.5	73.7	73.7	73.8	74.0	74.1	74.5	74.6	74.9	75.2
≥300	72.9	74.9	75.4	75.4	75.8	75.9	76.1	76.2	76.2	76.3	76.6	76.7	77.1	77.2	77.5	77.7
≥250	74.8	77.3	77.8	77.8	78.4	78.5	78.7	78.8	78.8	78.9	79.1	79.2	79.7	79.8	80.1	80.3
≥200	76.3	79.1	79.9	80.0	80.5	80.6	80.9	81.0	81.0	81.1	81.3	81.4	81.8	81.9	82.3	82.5
≥180	76.5	79.4	80.1	80.2	80.8	80.9	81.1	81.2	81.2	81.3	81.5	81.6	82.0	82.2	82.5	82.7
≥160	77.3	80.5	81.6	81.9	82.6	82.7	82.9	83.0	83.0	83.1	83.4	83.5	84.0	84.1	84.4	84.6
≥140	77.8	81.8	82.9	83.3	84.2	84.3	84.5	84.6	84.6	84.8	85.2	85.3	85.7	85.8	86.1	86.3
≥120	78.7	81.9	83.1	83.5	84.6	84.7	84.9	85.1	85.1	85.3	85.6	85.7	86.1	86.2	86.6	86.8
≥100	78.3	82.4	83.8	84.2	85.3	85.4	85.6	85.7	86.0	86.2	86.6	86.7	87.1	87.2	87.5	87.7
≥80	78.4	82.7	84.1	84.5	85.6	85.7	86.0	86.1	86.5	86.7	87.2	87.3	87.7	87.8	88.3	88.5
≥60	78.9	83.4	84.8	85.3	86.3	86.5	86.8	86.9	87.2	87.6	88.2	88.3	88.7	88.8	89.2	89.6
≥40	79.0	83.9	85.3	85.8	87.2	87.4	87.7	88.0	88.4	88.8	89.6	89.8	90.2	90.3	90.9	91.2
≥20	79.7	85.3	86.9	87.5	88.9	89.1	89.5	89.9	90.3	90.8	91.8	92.2	92.7	92.8	93.5	94.0
≥10	80.0	86.0	87.4	88.5	90.0	90.2	90.6	91.4	92.2	92.7	93.9	94.2	94.9	95.1	96.1	96.7
≥5	80.0	86.1	88.3	89.0	90.8	91.1	91.6	92.7	93.5	94.2	95.5	95.8	96.9	97.0	98.3	99.0
≥2	80.0	86.3	88.5	89.2	91.0	91.3	91.8	93.0	94.0	94.6	95.9	96.2	97.3	97.4	99.0	100.0
≥1	80.0	86.3	88.5	89.2	91.0	91.3	91.8	93.0	94.0	94.6	95.9	96.2	97.3	97.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEAR

OCI
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
TIME

ELEVATION FEET		VISIBILITY - STATUTE MILES															
		≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
1	10000	24.5	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
2	8000	26.9	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
3	6000	27.8	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.5	28.5
4	4000	29.1	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.8	29.8
5	2000	31.3	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.9	31.9
6	1000	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.4	35.4
7	500	36.6	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.3	37.3
8	200	44.3	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1
9	100	51.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
10	50	56.5	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3
11	25	56.3	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	67.4	67.4
12	10	70.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4
13	5	74.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3
14	2	75.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
15	1	77.2	78.9	79.1	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6
16	0.5	78.1	80.1	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.8	80.8
17	0.25	78.8	81.3	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2
18	0.1	78.8	81.3	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2
19	0.05	79.6	82.6	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.9	83.9
20	0.025	80.2	83.8	84.5	84.5	84.8	84.8	84.8	84.8	85.2	85.2	85.3	85.5	85.5	85.5	85.6	85.6
21	0.01	80.8	84.5	85.3	85.4	85.8	85.8	85.9	86.3	86.5	86.7	87.0	87.0	87.0	87.0	87.1	87.1
22	0.005	81.5	85.3	86.0	86.3	86.8	86.8	87.1	87.5	87.6	88.0	88.4	88.4	88.5	88.5	88.6	88.6
23	0.0025	81.7	85.6	86.3	86.8	87.2	87.2	87.5	88.1	88.2	88.5	88.9	88.9	89.1	89.1	89.2	89.5
24	0.001	82.2	86.3	87.2	87.6	88.2	88.2	88.5	89.1	89.2	89.6	90.1	90.1	90.3	90.3	90.4	90.6
25	0.0005	82.3	86.6	87.7	88.2	88.7	89.0	89.6	90.4	90.6	91.2	91.9	91.9	92.2	92.2	92.3	92.5
26	0.00025	82.8	87.6	88.9	89.5	90.2	90.6	91.3	92.2	92.5	93.0	93.9	94.0	94.2	94.3	94.4	94.7
27	0.0001	82.9	89.0	90.5	91.2	92.3	92.7	93.5	94.5	95.2	95.9	96.8	96.9	97.1	97.3	97.5	98.0
28	0.00005	83.0	89.9	91.0	91.6	92.8	93.2	94.3	95.5	96.3	97.3	98.3	98.4	98.6	98.9	99.1	99.6
29	0.000025	83.0	89.6	91.1	91.7	92.9	93.3	94.4	95.7	96.6	97.6	98.6	98.7	98.9	99.2	99.5	99.9
30	0.00001	83.0	89.6	91.1	91.7	92.9	93.3	94.4	95.7	96.6	97.6	98.6	98.7	98.9	99.2	99.5	100.0
31	0.000005	83.0	89.6	91.1	91.7	92.9	93.3	94.4	95.7	96.6	97.6	98.6	98.7	98.9	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-62

007

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

		VISIBILITY - STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1	1000	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2	900	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
3	800	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
4	700	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
5	600	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
6	500	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
7	400	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
8	300	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
9	200	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
10	100	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
11	50	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
12	25	71.1	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
13	10	74.9	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
14	5	78.2	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
15	2	80.1	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
16	1	81.2	82.8	82.9	83.0	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
17	0.5	81.9	84.0	84.1	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
18	0.2	82.4	85.3	85.6	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
19	0.1	82.9	85.6	85.9	86.0	86.2	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
20	0.05	83.1	86.1	86.6	86.8	87.2	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
21	0.02	83.9	87.3	88.0	88.4	88.8	89.0	89.2	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7
22	0.01	84.5	88.3	89.2	89.7	90.2	90.4	90.6	90.9	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2
23	0.005	85.2	89.2	90.2	90.6	91.2	91.5	91.8	92.0	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4
24	0.002	85.6	89.8	90.9	91.3	91.8	92.2	92.7	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2
25	0.001	85.7	90.0	91.1	91.5	92.0	92.4	92.9	93.3	93.3	93.4	93.8	93.9	93.9	93.9	93.9	94.2
26	0.0005	86.0	91.0	92.0	92.5	93.1	93.4	94.0	94.5	94.6	94.8	95.4	95.5	95.5	95.5	95.5	95.8
27	0.0002	86.2	91.6	93.1	93.5	94.4	94.7	95.3	96.1	96.2	96.7	97.3	97.4	97.4	97.4	97.4	97.7
28	0.0001	86.3	91.8	93.3	93.8	94.9	95.3	95.9	96.9	97.1	97.6	98.4	98.5	98.5	98.5	98.5	98.8
29	0.00005	86.7	92.3	93.8	94.2	95.4	95.7	96.5	97.4	97.6	98.4	99.2	99.4	99.5	99.5	99.6	99.9
30	0.00002	86.7	92.3	93.8	94.2	95.4	95.7	96.5	97.4	97.6	98.4	99.4	99.5	99.6	99.6	99.7	100.0
31	0.00001	86.7	92.3	93.8	94.2	95.4	95.7	96.5	97.4	97.6	98.4	99.4	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

OCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

		VISIBILITY (STATUTE MILES)															
		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
2	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
3	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
4	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
6	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
7	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
9	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
10	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
11	59.9	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
12	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
13	70.9	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
14	75.1	76.2	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
15	77.1	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
16	78.7	80.5	80.9	80.9	81.0	81.1	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.5	81.6	81.6	81.6
17	79.5	81.4	81.8	81.8	81.9	82.0	82.2	82.3	82.4	82.5	82.5	82.5	82.5	82.6	82.7	82.7	82.7
18	81.8	83.9	84.3	84.4	84.5	84.6	84.7	85.2	85.3	85.5	85.5	85.5	85.5	85.6	85.7	85.7	85.7
19	81.5	84.1	84.4	84.5	84.6	84.7	84.8	85.3	85.4	85.6	85.6	85.6	85.6	85.7	85.8	85.8	85.8
20	82.0	85.1	85.7	85.9	86.0	86.2	86.3	86.8	86.9	87.1	87.1	87.1	87.1	87.2	87.3	87.3	87.3
21	83.0	86.2	87.1	87.3	87.6	87.8	88.0	88.5	88.6	88.8	88.8	88.8	88.8	88.9	89.0	89.0	89.0
22	85.1	86.3	87.3	87.6	88.1	88.3	88.6	89.1	89.4	89.8	89.8	89.8	89.8	89.9	90.0	90.0	90.0
23	83.4	86.8	87.7	88.1	88.5	88.7	89.1	89.7	90.0	90.4	90.4	90.4	90.4	90.6	90.8	90.8	90.8
24	83.4	87.0	88.2	88.5	89.0	89.2	89.8	90.3	90.6	91.2	91.2	91.2	91.2	91.4	91.6	91.8	91.8
25	83.9	87.5	88.7	89.0	89.9	90.1	90.8	91.4	91.7	92.3	92.4	92.4	92.4	92.7	92.9	93.1	93.3
26	84.6	88.5	89.7	90.0	91.2	91.4	92.2	92.8	93.1	93.7	93.8	93.8	93.8	94.2	94.4	94.6	94.8
27	85.3	89.5	91.0	91.3	92.6	92.9	93.7	94.4	94.8	95.4	95.6	95.6	95.6	96.1	96.5	96.7	97.0
28	85.8	90.4	92.0	92.4	93.8	94.1	94.9	95.7	96.2	96.8	97.0	97.0	97.0	97.5	97.8	98.1	98.4
29	86.1	91.0	92.7	93.0	94.4	94.7	95.8	96.6	97.1	97.6	98.1	98.1	98.1	98.6	98.9	99.1	99.5
30	86.1	91.1	92.8	93.1	94.5	94.8	96.0	96.8	97.3	97.8	98.3	98.3	98.3	98.8	99.2	99.5	99.8
31	86.1	91.1	92.8	93.1	94.5	94.8	96.0	96.8	97.3	97.8	98.3	98.3	98.3	98.8	99.2	99.5	99.8
32	86.1	91.1	92.8	93.1	94.5	94.8	96.0	96.8	97.3	97.8	98.3	98.3	98.3	98.8	99.2	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7720 ELMENDORF AFB AK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.9	27.0
18000	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.6	28.6	28.6	28.6	28.8	28.9
16000	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.8	29.8	29.8	29.8	30.0	30.1
14000	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.9	29.9	29.9	29.9	30.1	30.2
12000	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.6	30.6	30.6	30.6	30.9	31.0
10000	31.4	31.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.8	31.8	31.8	31.8	32.0	32.2
8000	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	35.1	35.1	35.1	35.1	35.3	35.4
6000	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.7	36.8
4000	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.6	42.7
2000	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	48.1	48.2
1000	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.4
500	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	62.0	62.2
250	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.8	66.9
100	70.8	71.1	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	72.0	72.2
50	73.4	74.4	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.4	75.5
25	75.7	77.2	77.6	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.3	78.4
10	76.7	78.5	79.1	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.8	79.9
5	78.1	80.1	81.3	81.6	81.7	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.3	82.4
2	78.2	80.4	81.4	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.4	82.5
1	79.4	82.4	83.3	83.7	83.8	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.4	84.5
0.5	80.5	83.7	84.6	84.9	85.1	85.3	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	86.0	86.1
0.25	80.9	84.1	85.3	85.6	85.7	85.9	86.3	86.6	86.6	86.6	86.8	86.8	86.8	86.8	87.0	87.1
0.1	81.2	84.6	86.0	86.3	86.5	86.7	87.2	87.6	87.6	87.6	87.8	88.0	88.0	88.0	88.2	88.3
0.05	81.3	84.7	86.1	86.5	86.7	86.9	87.5	88.0	88.1	88.1	88.5	88.9	88.9	88.9	89.1	89.5
0.025	81.6	85.2	86.4	86.9	87.1	87.3	88.1	88.5	88.6	88.6	89.0	89.5	89.5	89.6	89.7	89.9
0.01	82.3	86.3	87.7	88.1	88.3	88.6	89.5	90.0	90.0	90.0	90.5	91.0	91.0	91.1	91.3	91.6
0.005	83.1	88.4	90.0	90.4	90.8	91.1	92.2	92.8	93.1	93.7	94.4	94.4	94.5	94.8	95.2	95.3
0.0025	84.4	89.9	91.9	92.6	93.2	93.8	94.8	95.6	95.9	96.5	97.2	97.2	97.3	97.6	98.0	98.3
0.001	84.5	90.0	92.4	93.0	93.8	94.3	95.4	96.3	96.7	97.2	98.0	98.0	98.1	98.4	98.8	99.5
0.0005	84.5	90.0	92.4	93.0	93.8	94.3	95.4	96.3	96.8	97.5	98.3	98.3	98.5	98.9	99.4	100.0
0.00025	84.5	90.0	92.4	93.0	93.8	94.3	95.4	96.3	96.8	97.5	98.3	98.3	98.5	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 0720

ELMENDORF AFB AK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING (≥20000)	28.9	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.6
≥18000	30.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.4
≥16000	31.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.8	31.8	31.8	31.9	31.9	31.9	31.9	32.0
≥14000	31.4	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4
≥12000	31.8	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.6
≥10000	33.1	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.7	33.7	33.7	33.8	33.8	33.8	33.8	33.9
≥8000	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.1
≥6000	37.6	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.4
≥4000	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.2
≥2000	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.2
≥1000	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.1
≥500	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9
≥250	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2	66.2	66.2	66.5	66.5	66.5	66.6	66.7
≥125	69.1	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.4	70.4	70.4	70.6	70.6	70.6	70.8	70.9
≥62.5	71.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.9	72.9	72.9	73.1	73.1	73.1	73.2	73.3
≥31.25	73.2	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.4	75.4	75.4	75.6	75.6	75.6	75.7	75.8
≥15.625	75.4	77.6	77.7	77.8	78.0	78.0	78.1	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.7	78.8
≥7.8125	76.9	80.0	80.5	80.8	80.9	80.9	81.0	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.6	81.7
≥3.90625	77.1	80.3	80.9	81.1	81.2	81.2	81.3	81.6	81.6	81.6	81.6	81.8	81.8	81.8	81.9	82.0
≥1.953125	77.8	81.6	82.5	82.7	82.8	82.8	83.1	83.4	83.4	83.4	83.5	83.8	83.8	83.8	83.9	84.0
≥0.9765625	78.4	82.6	83.5	83.9	84.1	84.1	84.4	84.7	84.7	84.7	84.8	85.1	85.1	85.1	85.3	85.4
≥0.48828125	78.5	83.0	84.0	84.4	84.6	84.6	84.9	85.3	85.3	85.4	85.4	85.6	85.6	85.6	85.8	85.9
≥0.244140625	78.5	83.0	84.0	84.4	84.6	84.6	84.9	85.3	85.3	85.4	85.4	85.6	85.6	85.6	85.8	85.9
≥0.1220703125	79.0	83.9	84.9	85.4	85.7	85.7	86.1	86.5	86.5	86.7	86.9	86.9	86.9	86.9	87.1	87.2
≥0.06103515625	79.2	84.1	85.2	85.7	86.2	86.2	86.7	87.0	87.0	87.2	87.4	87.4	87.4	87.4	87.6	87.7
≥0.030517578125	79.4	84.7	86.1	86.8	87.5	87.5	88.2	88.6	88.6	88.9	89.1	89.4	89.4	89.4	89.6	89.7
≥0.0152587890625	80.0	85.7	87.6	88.4	89.1	89.1	89.8	90.4	90.4	91.1	91.4	91.6	91.9	92.4	92.4	92.5
≥0.00762939453125	81.6	87.8	90.1	90.9	92.0	92.3	93.7	93.9	93.9	94.7	95.4	95.6	95.9	96.5	96.6	96.8
≥0.003814697265625	81.6	88.2	90.4	91.3	92.9	93.1	93.9	94.7	94.9	96.2	97.0	97.2	97.6	98.2	98.3	98.7
≥0.0019073486328125	81.7	88.4	90.8	91.6	93.2	93.4	94.2	95.1	95.4	96.7	97.4	97.7	98.2	98.8	98.9	99.8
≥0.00095367431640625	81.7	88.4	90.8	91.6	93.2	93.4	94.2	95.1	95.4	96.7	97.4	97.7	98.2	98.8	98.9	99.9
≥0.000476837158203125	81.7	88.4	90.8	91.6	93.2	93.4	94.2	95.1	95.4	96.7	97.4	97.7	98.2	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2720 ELMENDORF AFB, AK

73-82

061

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	26.6	26.9	27.0	27.0	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.4	27.5
≥20000	28.8	29.1	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.4	29.4	29.4	29.5	29.5	29.5	29.7
≥18000	29.6	30.0	30.0	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.4	30.5
≥16000	29.8	30.1	30.2	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.4	30.4	30.5	30.5	30.5	30.6
≥14000	30.4	30.7	30.8	30.8	30.8	30.8	30.9	30.9	30.9	30.9	31.0	31.0	31.1	31.1	31.1	31.3
≥12000	32.2	32.6	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.9	32.9	32.9	32.9	33.0	33.1
≥10000	35.4	35.8	35.8	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.2	36.3
≥9000	37.4	37.8	37.8	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.1	38.1	38.1	38.2	38.2	38.3
≥8000	43.5	43.8	43.9	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.5
≥7000	49.8	50.3	50.4	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.8	50.8	50.9
≥6000	54.8	55.3	55.4	55.4	55.5	55.5	55.6	55.6	55.6	55.7	55.8	55.8	55.8	55.9	55.9	56.0
≥5000	63.4	64.1	64.2	64.2	64.3	64.3	64.4	64.4	64.4	64.5	64.6	64.6	64.7	64.7	64.8	64.9
≥4500	67.3	68.1	68.2	68.2	68.3	68.3	68.4	68.5	68.5	68.5	68.6	68.6	68.7	68.7	68.9	68.9
≥4000	71.2	72.3	72.5	72.5	72.7	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.1	73.2	73.3	73.4
≥3500	73.3	74.7	74.9	74.9	75.1	75.1	75.2	75.3	75.3	75.3	75.4	75.4	75.5	75.6	75.7	75.8
≥3000	75.1	76.9	77.2	77.3	77.5	77.6	77.6	77.8	77.8	77.8	77.9	78.0	78.1	78.1	78.2	78.3
≥2500	76.4	78.8	79.1	79.2	79.5	79.5	79.6	79.8	79.8	79.8	79.9	80.0	80.1	80.1	80.2	80.3
≥2000	77.7	80.7	81.3	81.5	81.8	81.8	81.9	82.1	82.1	82.2	82.3	82.3	82.4	82.5	82.6	82.7
≥1800	78.0	81.1	81.7	81.9	82.2	82.2	82.4	82.5	82.6	82.6	82.7	82.8	82.9	82.9	83.0	83.1
≥1600	78.7	82.4	83.2	83.4	83.8	83.8	84.0	84.2	84.2	84.3	84.4	84.5	84.6	84.6	84.7	84.9
≥1400	79.4	83.5	84.4	84.7	85.2	85.3	85.6	85.8	85.9	86.0	86.1	86.1	86.3	86.3	86.4	86.5
≥1200	79.7	84.0	85.1	85.4	86.0	86.1	86.4	86.7	86.8	87.0	87.1	87.2	87.3	87.4	87.4	87.6
≥1000	80.0	84.5	85.6	86.0	86.5	86.6	87.0	87.4	87.5	87.7	87.9	87.9	88.1	88.1	88.2	88.3
≥900	80.3	84.9	86.1	86.4	87.0	87.2	87.6	88.0	88.1	88.4	88.7	88.7	88.9	89.0	89.1	89.3
≥800	80.6	85.4	86.6	87.0	87.7	87.8	88.3	88.8	88.9	89.2	89.5	89.6	89.8	89.9	90.0	90.3
≥700	81.1	86.2	87.6	88.1	88.9	89.1	89.7	90.3	90.4	90.8	91.2	91.4	91.6	91.7	91.9	92.1
≥600	81.6	87.4	89.1	89.7	90.7	91.0	91.7	92.4	92.6	93.1	93.7	93.9	94.2	94.4	94.6	94.9
≥500	82.2	88.6	90.4	91.1	92.4	92.7	93.5	94.4	94.7	95.2	96.0	96.2	96.6	96.7	97.1	97.5
≥400	82.4	89.0	91.0	91.7	93.2	93.5	94.4	95.4	95.8	96.5	97.4	97.6	98.1	98.3	98.7	99.2
≥300	82.4	89.1	91.2	91.8	93.3	93.6	94.6	95.6	96.0	96.8	97.7	97.9	98.4	98.7	99.2	99.8
≥200	82.4	89.1	91.2	91.8	93.3	93.6	94.6	95.6	96.0	96.8	97.7	97.9	98.4	98.7	99.2	100.0
≥100	82.4	89.1	91.2	91.8	93.3	93.6	94.6	95.6	96.0	96.8	97.7	97.9	98.4	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-720 ELMENDORF AFB AK

73-82

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET		VISIBILITY - STATUTE MILES															
		20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING		31.4	32.9	33.1	33.2	33.4	33.6	33.9	33.9	33.9	34.1	34.3	34.4	34.7	34.7	34.9	35.0
20000		32.4	33.8	34.7	34.1	34.3	34.4	34.8	34.8	34.8	35.0	35.2	35.3	35.6	35.6	35.8	35.9
20000		34.1	35.4	35.7	35.8	36.0	36.1	36.4	36.4	36.4	36.7	36.9	37.0	37.2	37.2	37.4	37.6
20000		34.2	35.6	35.8	35.9	36.1	36.2	36.6	36.6	36.6	36.8	37.0	37.1	37.3	37.3	37.6	37.7
20000		34.9	36.1	36.3	36.4	36.7	36.8	37.1	37.1	37.1	37.3	37.6	37.7	37.9	37.9	38.1	38.2
20000		36.3	37.8	38.0	38.1	38.3	38.4	38.8	38.8	38.8	39.0	39.2	39.3	39.6	39.6	39.8	39.9
20000		41.1	42.8	43.7	43.1	43.3	43.4	43.8	43.8	43.8	44.0	44.2	44.3	44.6	44.6	44.8	44.9
20000		42.6	44.2	44.4	44.6	44.8	44.9	45.2	45.2	45.2	45.4	45.7	45.8	46.0	46.0	46.2	46.3
20000		47.7	49.4	49.7	49.8	50.0	50.1	50.4	50.4	50.4	50.7	50.9	51.0	51.2	51.2	51.4	51.6
20000		53.4	55.8	56.7	56.1	56.3	56.4	56.8	56.8	56.8	57.0	57.2	57.3	57.6	57.6	57.8	57.9
20000		57.3	60.0	60.2	60.3	60.6	60.7	61.0	61.0	61.0	61.2	61.4	61.6	61.8	61.8	62.0	62.1
20000		63.7	66.6	66.8	66.9	67.1	67.2	67.6	67.6	67.6	67.8	68.0	68.1	68.3	68.3	68.6	68.7
20000		66.2	69.4	69.8	69.9	70.1	70.2	70.6	70.6	70.6	70.8	71.0	71.1	71.3	71.3	71.6	71.7
20000		69.9	74.0	74.3	74.4	74.7	74.8	75.1	75.1	75.1	75.3	75.6	75.7	75.9	75.9	76.1	76.2
20000		71.4	76.0	76.3	76.4	76.7	76.8	77.1	77.1	77.1	77.3	77.6	77.7	77.9	77.9	78.1	78.2
20000		73.6	78.3	78.9	79.0	79.3	79.4	79.8	79.8	79.8	80.0	80.2	80.3	80.6	80.6	80.8	80.9
20000		74.7	80.1	80.7	80.8	81.1	81.2	81.6	81.6	81.6	81.8	82.0	82.1	82.3	82.3	82.6	82.7
20000		75.7	82.2	82.9	83.2	83.7	83.8	84.1	84.1	84.1	84.3	84.6	84.7	84.9	84.9	85.1	85.2
20000		76.0	82.6	83.3	83.7	84.1	84.2	84.6	84.6	84.6	84.8	85.0	85.1	85.3	85.3	85.6	85.7
20000		76.3	83.0	84.0	84.3	84.8	84.9	85.2	85.4	85.4	85.7	85.9	86.0	86.2	86.2	86.4	86.6
20000		76.6	83.3	84.4	84.8	85.2	85.3	85.8	86.0	86.0	86.4	86.7	86.8	87.0	87.0	87.2	87.3
20000		76.6	83.4	84.9	85.2	85.7	85.8	86.2	86.6	86.6	87.0	87.7	87.6	87.8	87.8	88.0	88.1
20000		76.7	83.7	85.1	85.4	85.9	86.0	86.4	86.8	86.8	87.2	87.7	88.1	88.3	88.3	88.6	88.7
20000		77.1	84.4	86.2	86.6	87.0	87.1	87.6	88.0	88.1	88.6	89.0	89.4	89.7	89.7	89.9	90.0
20000		77.6	85.4	87.3	87.7	88.1	88.3	88.8	89.2	89.3	89.8	90.2	90.7	90.9	90.9	91.1	91.2
20000		77.6	85.4	87.4	87.9	88.3	88.6	89.0	89.6	89.7	90.1	90.7	91.1	91.3	91.3	91.6	91.7
20000		77.7	85.8	87.8	88.3	88.9	89.2	90.2	91.1	91.2	91.8	92.3	92.8	93.0	93.0	93.2	93.3
20000		77.7	85.9	88.3	89.0	89.6	89.9	91.0	92.0	92.1	92.7	93.3	93.9	94.2	94.3	94.8	95.1
20000		77.8	86.4	89.2	89.9	90.7	91.0	92.3	93.9	94.0	94.7	95.3	95.9	96.4	96.6	97.3	98.0
20000		77.8	86.8	89.6	90.2	91.1	91.6	93.0	94.6	94.7	95.3	96.3	96.9	97.8	97.9	98.9	99.7
20000		77.8	86.8	89.6	90.2	91.1	91.6	93.0	94.6	94.7	95.4	96.4	97.0	97.9	98.0	99.1	99.9
20000		77.8	86.8	89.6	90.2	91.1	91.6	93.0	94.6	94.7	95.4	96.4	97.0	97.9	98.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-3500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	32.3	33.7	33.9	33.9	34.1	34.6	34.6	34.7	34.7	34.9	34.9	34.9	35.4	35.4	36.1	36.1
≥20000	33.3	34.7	34.9	34.9	35.1	35.6	35.6	35.7	35.7	35.9	35.9	35.9	36.4	36.4	37.1	37.1
≥18000	34.7	36.2	36.4	36.4	36.7	37.1	37.1	37.2	37.2	37.4	37.4	37.4	38.0	38.0	38.7	38.7
≥16000	34.7	36.2	36.4	36.4	36.7	37.1	37.1	37.2	37.2	37.4	37.4	37.4	38.0	38.0	38.7	38.7
≥14000	34.9	36.4	36.7	36.7	36.9	37.3	37.3	37.4	37.4	37.7	37.7	37.7	38.2	38.2	38.9	38.9
≥12000	37.0	38.6	38.8	38.8	39.0	39.4	39.4	39.6	39.6	39.8	39.8	39.8	40.3	40.3	41.0	41.0
≥10000	39.7	41.7	41.9	41.9	42.1	42.6	42.6	42.7	42.7	42.9	42.9	42.9	43.4	43.4	44.1	44.1
≥9000	41.1	43.2	43.4	43.4	43.7	44.1	44.1	44.2	44.2	44.4	44.4	44.4	45.0	45.0	45.7	45.7
≥8000	45.2	47.7	47.9	47.9	48.1	48.6	48.6	48.7	48.7	48.9	48.9	48.9	49.4	49.4	50.1	50.1
≥7000	50.4	53.1	53.3	53.3	53.6	54.0	54.0	54.1	54.1	54.3	54.3	54.3	54.9	54.9	55.6	55.6
≥6000	53.4	56.2	56.4	56.4	56.7	57.1	57.1	57.2	57.2	57.4	57.4	57.4	58.0	58.0	58.7	58.7
≥5000	58.7	61.7	61.9	61.9	62.1	62.6	62.6	62.7	62.7	62.9	62.9	62.9	63.4	63.4	64.1	64.1
≥4500	61.4	65.2	65.4	65.4	65.7	66.1	66.1	66.2	66.2	66.4	66.4	66.4	67.0	67.0	67.7	67.7
≥4000	65.6	69.9	70.1	70.1	70.3	70.8	70.8	70.9	70.9	71.1	71.1	71.1	71.7	71.7	72.3	72.3
≥3500	67.6	72.4	72.8	72.8	73.0	73.4	73.4	73.6	73.6	73.8	73.8	73.8	74.3	74.3	75.0	75.0
≥3000	72.1	75.4	75.9	75.9	76.1	76.6	76.6	76.7	76.7	76.9	76.9	76.9	77.4	77.4	78.1	78.1
≥2500	72.2	77.8	78.3	78.3	78.6	79.0	79.1	79.3	79.3	79.6	79.6	79.6	80.1	80.1	80.8	80.8
≥2000	73.4	79.4	80.1	80.4	80.7	81.2	81.3	81.8	81.8	82.1	82.2	82.2	82.8	82.8	83.4	83.4
≥1800	73.7	79.8	80.7	81.0	81.2	81.8	81.9	82.3	82.3	82.8	82.9	82.9	83.4	83.4	84.1	84.1
≥1600	74.4	80.8	81.9	82.3	82.8	83.3	83.4	83.9	83.9	84.4	84.6	84.6	85.3	85.3	86.0	86.0
≥1400	74.7	81.2	82.3	82.8	83.2	83.8	84.2	84.8	84.9	85.8	85.9	85.9	86.7	86.7	87.3	87.3
≥1200	75.0	81.7	82.9	83.3	83.8	84.3	84.8	85.4	85.6	86.6	86.7	86.7	87.4	87.4	88.1	88.1
≥1000	75.0	81.7	82.9	83.3	83.8	84.3	84.8	85.4	85.6	86.6	86.7	86.7	87.4	87.4	88.1	88.1
≥900	75.0	81.8	83.0	83.4	83.9	84.4	84.9	85.6	85.7	86.7	86.8	86.8	87.7	87.7	88.3	88.4
≥800	75.3	82.2	83.7	84.1	84.6	85.1	85.6	86.2	86.4	87.6	87.8	87.8	88.7	88.7	89.3	89.4
≥700	75.6	83.0	84.7	85.2	85.7	86.2	86.7	87.4	87.7	88.8	89.3	89.3	90.3	90.3	91.0	91.2
≥600	76.1	83.6	85.2	85.8	86.3	86.9	87.3	88.1	88.3	89.4	90.2	90.2	91.2	91.2	92.1	92.3
≥500	76.3	84.2	86.0	86.6	87.2	87.8	88.3	89.3	89.6	90.8	91.7	91.8	93.1	93.1	94.0	94.2
≥400	76.6	84.6	86.3	86.9	88.0	88.7	89.3	90.3	90.6	91.9	92.9	93.0	94.3	94.4	95.6	95.8
≥300	76.7	84.9	86.9	87.4	88.6	89.2	90.2	91.4	91.7	93.2	94.4	94.6	95.9	96.0	97.2	97.7
≥200	76.7	84.9	86.9	87.4	88.6	89.6	90.7	92.2	92.4	94.1	95.4	95.6	96.9	97.0	99.0	99.7
≥100	76.7	85.0	87.0	87.7	88.9	89.7	90.8	92.3	92.6	94.2	95.6	95.7	97.1	97.3	99.3	100.0
≥50	76.7	85.0	87.0	87.7	88.9	89.7	90.8	92.3	92.6	94.2	95.6	95.7	97.1	97.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-82 EL ENDORF AFB AK

73-82

NGV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-2800

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	28.3	29.3	29.3	29.3	29.6	29.6	29.7	30.3	30.7	30.6	30.9	30.9	31.1	31.2	31.7	31.8
1-2000	29.7	30.3	30.8	30.8	31.0	31.0	31.1	31.8	31.8	32.0	32.3	32.3	32.6	32.7	33.1	33.2
2-3000	31.2	31.9	32.3	32.3	32.6	32.6	32.7	33.3	33.3	33.6	33.9	33.9	34.1	34.2	34.7	34.8
3-4000	31.3	32.0	32.4	32.4	32.7	32.7	32.8	33.4	33.4	33.7	34.0	34.0	34.2	34.3	34.8	34.9
4-5000	32.1	32.0	33.2	33.2	33.4	33.4	33.6	34.2	34.2	34.4	34.8	34.8	35.0	35.1	35.6	35.7
5-6000	34.1	34.8	35.2	35.2	35.4	35.4	35.6	36.2	36.2	36.4	36.8	36.8	37.0	37.1	37.6	37.7
6-7000	36.3	37.6	38.0	38.0	39.2	38.2	38.3	39.0	39.0	39.2	39.6	39.6	39.8	39.9	40.3	40.4
7-8000	38.2	39.0	39.4	39.4	39.7	39.7	39.8	40.4	40.4	40.7	41.0	41.0	41.2	41.3	41.8	41.9
8-9000	45.2	46.7	47.1	47.1	47.3	47.3	47.4	48.1	48.1	48.4	48.8	48.8	49.0	49.1	49.6	49.7
9-10000	50.3	51.9	52.3	52.3	52.6	52.6	52.7	53.3	53.3	53.8	54.1	54.1	54.3	54.4	54.9	55.0
10-11000	52.4	54.0	54.4	54.4	54.7	54.7	54.8	55.4	55.4	55.9	56.2	56.2	56.4	56.6	57.0	57.1
11-12000	58.7	60.2	60.7	60.7	60.9	60.9	61.0	61.7	61.7	62.1	62.4	62.4	62.7	62.8	63.2	63.3
12-13000	61.7	64.0	64.4	64.4	64.7	64.7	64.8	65.4	65.4	65.9	66.2	66.2	66.4	66.6	67.0	67.1
13-14000	67.3	69.8	70.2	70.2	70.4	70.4	70.7	71.3	71.3	71.8	72.2	72.2	72.4	72.6	73.0	73.1
14-15000	69.0	71.8	72.3	72.3	72.6	72.6	72.8	73.4	73.4	73.9	74.3	74.3	74.6	74.7	75.1	75.2
15-16000	70.9	74.2	74.9	74.9	75.1	75.1	75.3	76.0	76.0	76.4	76.9	76.9	77.1	77.2	77.7	77.8
16-17000	72.4	76.1	77.1	77.1	77.3	77.4	77.7	78.3	78.3	78.8	79.2	79.2	79.4	79.6	80.0	80.1
17-18000	73.7	77.6	78.7	78.8	79.0	79.1	79.6	80.3	80.3	80.8	81.3	81.3	81.6	81.7	82.1	82.2
18-19000	73.9	77.8	78.9	79.0	79.2	79.4	79.9	80.7	80.7	81.1	81.7	81.7	81.9	82.0	82.4	82.6
19-20000	74.3	78.7	80.1	80.4	80.9	81.2	81.8	82.6	82.6	83.1	83.9	83.9	84.2	84.3	84.8	84.9
20-21000	74.7	79.1	80.7	81.0	81.4	81.9	82.6	83.4	83.4	84.1	85.0	85.0	85.3	85.4	85.9	86.0
21-22000	74.9	79.4	81.1	81.4	81.9	82.4	83.2	84.3	84.3	85.2	86.2	86.2	86.3	86.7	86.8	87.2
22-23000	75.2	79.9	81.6	81.9	82.3	82.9	83.7	84.8	84.8	85.7	86.7	86.8	87.1	87.2	87.7	87.8
23-24000	75.2	80.3	82.0	82.3	82.8	83.3	84.1	85.2	85.2	86.1	87.1	87.2	87.6	87.7	88.1	88.2
24-25000	75.4	80.7	82.3	82.7	83.2	83.8	84.6	85.7	85.8	86.9	88.1	88.2	88.7	88.8	89.2	89.3
25-26000	75.9	81.3	83.0	83.3	84.0	84.6	85.4	86.9	87.2	88.4	89.7	89.8	90.3	90.4	91.0	91.1
26-27000	76.2	82.1	83.9	84.3	85.2	86.0	87.1	88.6	88.9	90.2	91.7	91.9	92.4	92.6	93.2	93.4
27-28000	76.7	83.2	85.1	85.6	86.4	87.2	88.7	90.2	90.6	92.1	93.6	94.0	94.9	95.0	95.8	96.0
28-29000	76.8	83.4	85.6	86.0	86.9	87.7	89.3	91.0	91.4	93.0	94.6	95.1	96.0	96.2	97.3	97.7
29-30000	76.8	83.6	85.8	86.4	87.4	88.2	89.9	91.7	92.1	93.7	95.4	96.1	97.7	97.9	99.1	99.6
30-31000	76.8	83.6	85.8	86.4	87.4	88.2	89.9	91.7	92.1	93.7	95.4	96.1	97.7	97.9	99.2	99.9
31-32000	76.8	83.6	85.8	86.4	87.4	88.2	89.9	91.7	92.1	93.7	95.4	96.1	97.7	97.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 LLMENDORF AFB AK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1900-1100

		VISIBILITY IN MILES															
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1000	27.8	28.3	28.7	28.8	29.4	29.5	29.7	29.8	29.8	30.0	30.3	30.3	30.5	30.5	30.7	30.8	
800	29.7	30.1	30.6	30.7	31.4	31.5	31.7	31.8	31.8	32.1	32.4	32.4	32.6	32.6	32.9	33.0	
600	31.0	31.5	31.9	32.0	32.7	32.8	33.0	33.1	33.1	33.5	33.7	33.7	33.9	33.9	34.3	34.4	
400	31.3	31.7	32.1	32.3	32.9	33.0	33.3	33.4	33.4	33.7	33.9	33.9	34.1	34.1	34.5	34.6	
200	31.6	32.0	32.5	32.6	33.3	33.4	33.6	33.7	33.7	34.0	34.3	34.3	34.5	34.5	34.8	34.9	
100	34.5	34.9	35.4	35.5	36.2	36.3	36.5	36.6	36.6	36.9	37.2	37.2	37.4	37.4	37.7	37.8	
50	38.7	38.5	38.9	39.0	39.7	39.8	40.0	40.2	40.2	40.5	40.7	40.7	41.0	41.0	41.5	41.6	
25	40.5	40.9	41.4	41.5	42.2	42.3	42.5	42.6	42.7	43.0	43.3	43.3	43.7	43.7	44.2	44.3	
10	48.6	49.2	49.6	49.7	50.5	50.6	50.8	50.9	51.1	51.4	51.6	51.6	52.1	52.1	52.7	52.8	
5	53.4	53.9	54.4	54.5	55.3	55.4	55.6	55.7	55.8	56.2	56.4	56.4	56.8	56.8	57.5	57.6	
2	56.5	57.1	57.6	57.7	58.5	58.6	59.0	59.1	59.2	59.5	59.7	59.7	60.2	60.2	60.8	61.0	
1	63.3	64.5	65.1	65.2	66.0	66.1	66.4	66.5	66.6	67.0	67.2	67.2	67.6	67.6	68.3	68.4	
0.5	67.2	67.9	68.4	68.5	69.3	69.4	69.7	69.9	70.0	70.3	70.5	70.5	71.0	71.0	71.6	71.7	
0.25	70.4	71.3	71.9	72.2	73.1	73.2	73.6	73.7	73.9	74.2	74.5	74.5	75.0	75.0	75.6	75.8	
0.1	72.7	73.9	74.4	75.0	75.9	76.0	76.4	76.5	76.6	77.0	77.3	77.3	77.8	77.8	78.4	78.5	
0.05	73.9	75.2	75.9	76.5	77.6	77.8	78.4	78.5	78.6	79.0	79.3	79.3	79.8	79.8	80.4	80.5	
0.025	74.7	76.5	77.3	78.0	79.1	79.2	80.0	80.1	80.2	80.5	80.9	80.9	81.3	81.3	82.0	82.1	
0.01	75.9	77.9	78.8	79.4	80.5	80.9	81.6	81.8	81.9	82.2	82.5	82.5	83.0	83.0	83.6	83.8	
0.005	76.0	78.0	78.9	79.5	80.6	81.0	81.8	81.9	82.0	82.3	82.6	82.6	83.1	83.1	83.8	83.9	
0.0025	77.1	79.2	80.1	80.9	82.1	82.4	83.2	83.5	83.6	84.0	84.3	84.3	84.8	84.8	85.4	85.5	
0.001	77.9	80.2	81.1	81.9	83.3	83.6	84.4	85.1	85.2	85.5	86.0	86.0	86.7	86.7	87.3	87.4	
0.0005	77.8	80.5	81.5	82.3	83.9	84.2	85.0	86.1	86.3	86.8	87.4	87.4	88.2	88.3	89.1	89.2	
0.00025	77.8	80.5	81.6	82.4	84.0	84.3	85.3	86.4	86.7	87.1	87.8	87.8	88.5	88.7	89.4	89.5	
0.0001	77.8	80.5	81.8	82.5	84.1	84.4	85.4	86.5	86.8	87.2	87.9	87.9	88.8	88.8	89.7	89.8	
0.00005	77.9	80.6	82.0	82.8	84.3	84.6	85.9	87.0	87.2	87.8	88.4	88.4	89.4	89.5	90.3	90.4	
0.000025	78.3	81.2	82.6	83.4	85.0	85.3	86.5	87.8	88.0	88.7	89.3	89.3	90.3	90.4	91.2	91.5	
0.00001	78.6	81.5	83.1	83.9	85.5	86.0	87.5	88.9	89.1	89.8	90.5	90.5	91.8	92.0	92.8	93.1	
0.000005	78.8	81.6	83.6	84.5	86.4	87.1	88.9	90.2	90.7	91.4	92.8	92.8	94.4	94.8	95.7	96.1	
0.0000025	78.8	81.9	84.0	84.9	86.8	87.4	89.7	91.1	91.7	92.5	94.1	94.2	96.1	96.4	97.3	98.0	
0.000001	78.8	81.9	84.2	85.1	87.0	87.8	90.0	91.4	92.1	93.0	94.5	94.7	96.9	97.2	98.2	99.2	
0.0000005	78.8	81.9	84.2	85.1	87.0	87.8	90.0	91.4	92.1	93.0	94.5	94.7	96.9	97.2	98.6	99.9	
0.00000025	78.8	81.9	84.2	85.1	87.0	87.8	90.0	91.4	92.1	93.0	94.5	94.7	96.9	97.2	98.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 899

GL BAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2720 ELMENDORF AFB AK
STATION NAME

73-82

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
1 1000	30.7	31.7	31.8	31.9	32.1	32.2	32.3	32.3	32.3	32.3	32.4	32.6	32.6	32.6	32.8	32.8
2 900	34.0	35.0	35.1	35.2	35.4	35.6	35.7	35.7	35.7	35.7	35.8	35.9	35.9	35.9	36.1	36.1
3 800	35.2	36.2	36.3	36.4	36.7	36.8	36.9	36.9	36.9	37.0	37.1	37.2	37.2	37.2	37.6	37.6
4 700	35.2	36.2	36.3	36.4	36.7	36.8	36.9	36.9	36.9	37.0	37.1	37.2	37.2	37.2	37.6	37.6
5 600	36.1	37.3	37.4	37.6	37.8	37.9	38.0	38.0	38.0	38.1	38.2	38.3	38.3	38.3	38.7	38.7
6 500	39.6	40.8	40.9	41.0	41.2	41.3	41.4	41.4	41.4	41.6	41.7	41.8	41.8	41.8	42.1	42.1
7 400	43.0	44.2	44.4	44.6	44.8	44.9	45.0	45.0	45.0	45.1	45.2	45.3	45.3	45.3	45.7	45.7
8 300	45.2	46.4	46.7	46.8	47.0	47.1	47.2	47.2	47.2	47.3	47.4	47.6	47.6	47.6	47.9	47.9
9 200	53.3	54.6	54.8	54.9	55.1	55.2	55.3	55.3	55.3	55.4	55.7	55.8	55.8	55.8	56.1	56.1
10 100	58.7	59.9	60.1	60.2	60.4	60.6	60.7	60.7	60.7	60.8	61.0	61.1	61.1	61.1	61.4	61.4
11 900	62.7	63.9	64.1	64.2	64.4	64.6	64.7	64.7	64.7	64.8	65.0	65.1	65.1	65.1	65.4	65.4
12 800	69.8	71.4	71.7	71.8	72.0	72.1	72.2	72.2	72.2	72.3	72.6	72.7	72.7	72.7	73.0	73.0
13 700	73.1	74.9	75.2	75.3	75.6	75.7	75.8	75.8	75.8	75.9	76.1	76.2	76.2	76.2	76.6	76.6
14 600	75.9	77.8	78.1	78.3	78.7	78.8	78.9	79.0	79.0	79.1	79.3	79.4	79.4	79.4	79.8	79.8
15 500	77.6	79.6	80.1	80.3	80.7	80.8	80.9	81.0	81.0	81.1	81.3	81.4	81.4	81.4	81.8	81.8
16 400	79.2	82.4	83.2	83.4	83.9	84.1	84.3	84.4	84.4	84.7	84.9	85.0	85.0	85.0	85.3	85.3
17 300	80.3	83.8	84.7	84.9	85.3	85.6	85.8	85.9	85.9	86.1	86.3	86.4	86.4	86.4	86.8	86.8
18 200	81.7	85.3	86.2	86.4	86.9	87.1	87.3	87.4	87.4	87.7	87.9	88.0	88.0	88.0	88.3	88.3
19 100	82.1	85.8	86.7	86.9	87.3	87.6	87.9	88.0	88.0	88.3	88.6	88.7	88.7	88.7	89.0	89.0
20 900	82.4	86.3	87.2	87.7	88.1	88.4	88.8	88.9	88.9	89.2	89.4	89.6	89.6	89.6	89.9	89.9
21 800	82.8	86.8	87.8	88.3	89.0	89.4	89.8	90.2	90.2	90.6	90.8	90.9	90.9	90.9	91.2	91.2
22 700	83.1	87.2	88.3	89.2	90.0	90.4	90.9	91.4	91.4	91.8	92.0	92.1	92.1	92.1	92.4	92.4
23 600	83.2	87.3	88.6	89.4	90.2	90.7	91.2	91.8	91.8	92.1	92.4	92.6	92.6	92.6	92.9	92.9
24 500	83.3	87.4	88.7	89.6	90.3	90.9	91.4	92.1	92.1	92.7	93.1	93.3	93.4	93.4	93.8	93.8
25 400	83.6	87.8	89.7	90.0	90.8	91.3	91.9	92.8	92.8	93.3	93.9	94.1	94.2	94.3	94.7	94.7
26 300	83.8	88.0	89.2	90.2	91.1	91.7	92.3	93.6	93.6	94.1	94.7	94.9	95.1	95.2	95.6	95.6
27 200	84.0	88.3	89.6	90.6	91.4	92.0	92.7	93.9	94.0	94.7	95.2	95.4	95.7	95.8	96.1	96.1
28 100	84.8	89.2	90.4	91.4	92.3	92.9	93.8	95.1	95.3	96.6	97.6	97.8	98.3	98.4	98.8	98.8
29 900	84.8	89.3	90.6	91.6	92.6	93.1	94.0	95.7	95.9	97.2	98.3	98.6	99.2	99.3	99.7	99.7
30 800	84.8	89.3	90.6	91.6	92.6	93.1	94.0	95.7	95.9	97.2	98.3	98.6	99.3	99.4	99.8	99.8
31 700	84.8	89.3	90.6	91.6	92.6	93.1	94.0	95.7	95.9	97.2	98.3	98.6	99.3	99.4	99.9	99.9
32 600	84.8	89.3	90.6	91.6	92.6	93.1	94.0	95.7	95.9	97.2	98.3	98.6	99.3	99.4	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 720

ELMENDORF AFB AK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥20000	31.3	31.4	31.7	31.7	31.8	31.8	31.9	31.9	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.3
≥18000 ≥16000	33.9	34.0	34.4	34.4	34.5	34.5	34.6	34.6	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.9
≥14000 ≥12000	35.0	35.2	35.5	35.5	35.6	35.6	35.7	35.7	35.8	35.9	35.9	35.9	35.9	35.9	35.9	36.0
≥10000 ≥8000	35.7	35.8	36.2	36.2	36.3	36.3	36.4	36.4	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.7
≥6000 ≥4000	36.9	36.9	37.3	37.3	37.4	37.4	37.5	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.8
≥2000 ≥1000	38.6	38.7	39.0	39.0	39.2	39.2	39.3	39.3	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.6
≥1000 ≥500	42.2	42.4	42.7	42.7	42.8	42.8	42.9	42.9	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.3
≥500 ≥200	43.3	44.2	44.5	44.5	44.6	44.6	44.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	45.1
≥200 ≥100	49.9	50.2	50.5	50.5	50.6	50.6	50.7	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.1
≥100 ≥50	57.1	57.2	57.5	57.5	57.6	57.6	57.7	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.1
≥50 ≥20	62.8	63.1	63.4	63.4	63.5	63.5	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	64.0
≥20 ≥10	69.6	70.1	70.4	70.4	70.6	70.6	70.7	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.2
≥10 ≥5	72.9	73.3	73.6	73.6	73.9	73.9	74.0	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.4
≥5 ≥2	75.3	76.1	76.5	76.5	76.9	76.9	77.0	77.0	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.5
≥2 ≥1	77.1	78.0	78.4	78.6	79.1	79.1	79.2	79.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.8
≥1 ≥0.5	78.5	80.2	80.9	81.2	81.9	81.9	82.3	82.3	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.9
≥0.5 ≥0.2	79.9	81.8	82.8	83.2	84.0	84.0	84.4	84.4	84.5	84.9	84.9	84.9	84.9	84.9	84.9	85.0
≥0.2 ≥0.1	81.1	83.4	84.4	84.9	85.8	85.8	86.3	86.3	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.9
≥0.1 ≥0.05	81.1	83.5	84.5	85.0	85.9	85.9	86.4	86.4	86.5	86.9	86.9	86.9	86.9	86.9	86.9	87.0
≥0.05 ≥0.02	81.5	84.8	85.9	86.4	87.4	87.4	88.0	88.1	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.8
≥0.02 ≥0.01	81.6	85.4	86.5	87.1	88.1	88.1	88.8	89.0	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.7
≥0.01 ≥0.005	81.9	86.0	87.1	87.7	88.8	88.8	89.5	89.8	89.9	90.4	90.5	90.7	90.8	90.8	90.8	90.9
≥0.005 ≥0.002	82.2	86.3	87.4	88.0	89.1	89.1	90.2	90.4	90.5	91.1	91.2	91.3	91.5	91.5	91.5	91.7
≥0.002 ≥0.001	82.5	86.7	88.0	88.5	89.7	89.7	90.9	91.3	91.4	92.0	92.1	92.2	92.4	92.4	92.4	92.7
≥0.001 ≥0.0005	83.3	87.9	89.3	89.9	91.0	91.1	92.4	92.9	93.0	93.5	93.7	93.8	94.0	94.0	94.0	94.2
≥0.0005 ≥0.0002	83.4	88.1	89.9	90.4	91.5	91.7	93.1	93.5	93.7	94.2	94.3	94.5	94.8	94.8	94.8	95.0
≥0.0002 ≥0.0001	83.6	88.9	90.4	91.0	92.2	92.3	93.9	94.4	94.5	95.1	95.3	95.6	95.8	95.8	95.9	96.2
≥0.0001 ≥0.00005	83.9	89.2	91.1	91.9	93.1	93.2	94.8	95.6	95.8	96.4	96.7	96.9	97.1	97.1	97.2	97.7
≥0.00005 ≥0.00002	83.9	89.3	91.2	92.0	93.4	93.5	95.3	96.4	96.9	97.7	98.0	98.2	98.6	98.6	98.7	99.3
≥0.00002 ≥0.00001	83.9	89.3	91.2	92.0	93.4	93.5	95.4	96.6	97.0	97.8	98.1	98.4	98.8	98.8	98.9	99.8
≥0.00001 ≥0.000005	83.9	89.3	91.2	92.0	93.4	93.5	95.4	96.6	97.0	97.8	98.1	98.4	98.9	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-720

ELMENDORF AFB AK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	31.4	33.0	33.0	33.0	33.1	33.1	33.2	33.3	33.3	33.4	33.6	33.6	33.7	33.7	33.7	33.7
≥ 20000	32.7	34.2	34.2	34.2	34.3	34.3	34.4	34.6	34.6	34.7	34.8	34.8	34.9	34.9	34.9	34.9
≥ 18000	33.7	35.2	35.2	35.2	35.3	35.3	35.4	35.6	35.6	35.7	35.8	35.8	35.9	35.9	35.9	35.9
≥ 16000	33.7	35.2	35.2	35.2	35.3	35.3	35.4	35.6	35.6	35.7	35.8	35.8	35.9	35.9	35.9	35.9
≥ 14000	34.7	36.2	36.2	36.2	36.3	36.3	36.4	36.6	36.6	36.7	36.8	36.8	36.9	36.9	36.9	36.9
≥ 12000	36.0	37.7	37.7	37.7	37.8	37.8	37.9	38.0	38.0	38.1	38.2	38.2	38.3	38.3	38.3	38.3
≥ 10000	38.7	40.4	40.4	40.4	40.6	40.6	40.7	40.8	40.8	40.9	41.0	41.0	41.1	41.1	41.1	41.1
≥ 9000	41.2	43.0	43.0	43.0	43.1	43.1	43.2	43.3	43.3	43.4	43.6	43.6	43.7	43.7	43.7	43.7
≥ 8000	46.1	48.2	48.2	48.2	48.3	48.3	48.4	48.6	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9
≥ 7000	52.1	54.2	54.2	54.2	54.3	54.3	54.4	54.6	54.6	54.7	54.8	54.8	54.9	54.9	54.9	54.9
≥ 6000	56.2	58.6	58.6	58.6	58.7	58.7	58.8	58.9	58.9	59.0	59.1	59.2	59.3	59.3	59.3	59.3
≥ 5000	63.0	65.4	65.4	65.4	65.6	65.6	65.7	66.1	66.1	66.2	66.3	66.4	66.6	66.6	66.6	66.6
≥ 4500	65.7	68.3	68.3	68.3	68.4	68.4	68.6	69.0	69.0	69.1	69.2	69.3	69.4	69.4	69.4	69.4
≥ 4000	66.8	71.8	71.8	71.8	71.9	71.9	72.0	72.4	72.4	72.6	72.7	72.8	72.9	72.9	72.9	72.9
≥ 3500	70.7	73.9	73.9	74.0	74.1	74.1	74.2	74.7	74.7	74.8	74.9	75.0	75.1	75.1	75.1	75.1
≥ 3000	73.3	77.1	77.4	77.6	77.9	77.9	78.0	78.4	78.4	78.6	78.7	78.8	78.9	78.9	78.9	78.9
≥ 2500	74.6	78.8	79.3	79.4	79.8	79.8	80.0	80.4	80.4	80.6	80.7	80.8	80.9	80.9	80.9	80.9
≥ 2000	75.4	81.3	82.7	82.9	83.3	83.4	83.7	84.2	84.2	84.3	84.4	84.6	84.7	84.7	84.7	84.7
≥ 1800	75.4	81.3	82.7	83.1	83.6	83.7	83.9	84.4	84.4	84.6	84.7	84.8	84.9	84.9	84.9	84.9
≥ 1500	75.9	82.7	84.1	84.6	85.0	85.1	85.3	85.9	85.9	86.0	86.2	86.3	86.4	86.4	86.4	86.4
≥ 1200	75.9	82.9	84.7	85.3	86.3	86.4	86.7	87.3	87.3	87.4	87.7	87.8	87.9	87.9	87.9	87.9
≥ 1000	76.2	83.3	85.1	85.8	86.8	86.9	87.1	88.3	88.4	88.6	88.8	89.0	89.1	89.1	89.1	89.1
≥ 900	76.4	83.7	85.6	86.2	87.3	87.4	87.9	89.2	89.3	89.4	89.7	90.0	90.1	90.1	90.1	90.1
≥ 800	76.6	83.9	85.8	86.8	87.9	88.0	88.6	89.9	90.0	90.1	90.3	90.7	90.8	90.8	90.8	90.8
≥ 700	77.0	84.6	86.4	87.4	88.7	88.9	89.4	90.8	90.9	91.0	91.2	91.6	91.7	91.7	91.7	91.7
≥ 600	77.1	84.7	86.7	87.7	88.9	89.1	89.7	91.0	91.1	91.2	91.4	91.8	91.9	91.9	92.0	92.0
≥ 500	77.4	85.4	87.6	88.7	91.2	90.7	91.6	93.0	93.1	93.2	93.7	94.0	94.1	94.1	94.2	94.3
≥ 400	77.9	86.7	88.9	90.0	91.6	92.0	93.4	95.0	95.1	95.3	95.8	96.1	96.3	96.3	96.4	96.6
≥ 300	77.9	87.6	89.9	91.2	93.0	93.4	94.9	96.6	96.8	97.1	97.6	97.9	98.2	98.3	98.7	99.1
≥ 200	77.9	87.8	90.1	91.4	93.2	93.8	95.2	96.9	97.1	97.6	98.1	98.4	98.9	99.0	99.3	100.0
≥ 100	77.9	87.8	90.1	91.4	93.2	93.8	95.2	96.9	97.1	97.6	98.1	98.4	98.9	99.0	99.3	100.0
≥ 50	77.9	87.8	90.1	91.4	93.2	93.8	95.2	96.9	97.1	97.6	98.1	98.4	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-272C ELMENDORF AFB AK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	9	8	7	6	5	4	3	2	1	1/2	1/4	1/8	1/16	1/32	1/64
NO CEILING ≥ 20000	31.7	32.7	32.9	32.9	33.1	33.1	33.1	33.1	33.2	33.2	33.3	33.4	33.4	33.7	33.9	34.0
≥ 18000	32.9	33.9	34.1	34.1	34.3	34.3	34.3	34.3	34.4	34.4	34.6	34.7	34.7	34.9	35.1	35.2
≥ 16000	33.8	34.8	35.0	35.0	35.2	35.2	35.2	35.3	35.3	35.4	35.4	35.6	35.6	35.8	36.0	36.1
≥ 14000	33.9	34.9	35.1	35.1	35.3	35.3	35.3	35.4	35.4	35.4	35.6	35.7	35.7	35.9	36.1	36.2
≥ 12000	34.8	35.8	36.0	36.0	36.2	36.2	36.2	36.3	36.3	36.4	36.4	36.6	36.6	36.8	37.0	37.1
≥ 10000	36.4	37.4	37.7	37.7	37.9	37.9	37.9	38.0	38.0	38.1	38.2	38.2	38.4	38.7	38.8	38.9
≥ 9000	40.6	42.1	42.3	42.3	42.6	42.6	42.6	42.7	42.7	42.8	42.9	42.9	43.1	43.3	43.4	43.6
≥ 8000	43.1	44.7	44.9	44.9	45.1	45.1	45.1	45.2	45.2	45.3	45.4	45.4	45.7	45.9	46.0	46.1
≥ 7000	48.9	50.6	50.8	50.8	51.0	51.0	51.0	51.1	51.1	51.2	51.3	51.4	51.7	51.9	52.0	52.1
≥ 6000	52.4	54.1	54.3	54.3	54.6	54.6	54.6	54.7	54.7	54.8	54.9	55.0	55.2	55.4	55.6	55.7
≥ 5000	56.1	58.4	58.7	58.7	58.9	58.9	59.0	59.1	59.1	59.2	59.3	59.4	59.7	59.9	60.0	60.1
≥ 4500	62.6	65.2	65.4	65.4	65.7	65.7	65.8	66.0	66.0	66.1	66.2	66.3	66.6	66.8	66.9	67.0
≥ 4000	64.7	67.6	67.8	67.8	68.0	68.0	68.1	68.3	68.3	68.4	68.6	68.7	69.0	69.2	69.3	69.4
≥ 3500	68.3	71.2	71.4	71.4	71.8	71.8	71.9	72.2	72.2	72.4	72.6	72.7	73.0	73.2	73.3	73.4
≥ 3000	70.8	73.8	74.1	74.2	74.4	74.4	74.6	74.9	74.9	75.1	75.2	75.3	75.7	75.9	76.0	76.1
≥ 2500	73.4	77.1	77.4	77.6	78.1	78.1	78.3	78.7	78.7	78.9	79.0	79.1	79.4	79.7	79.8	79.9
≥ 2000	74.4	78.9	79.4	79.6	80.2	80.2	80.4	80.8	80.8	81.0	81.1	81.2	81.6	81.8	81.9	82.0
≥ 1800	76.0	81.2	82.1	82.3	83.1	83.1	83.3	83.7	83.7	83.9	84.0	84.1	84.4	84.7	84.8	84.9
≥ 1600	76.0	81.4	82.3	82.6	83.3	83.3	83.6	83.9	83.9	84.1	84.2	84.3	84.7	84.9	85.0	85.1
≥ 1400	76.4	82.7	83.7	83.9	84.7	84.7	84.9	85.3	85.3	85.6	85.7	85.8	86.1	86.3	86.4	86.6
≥ 1200	76.7	83.2	84.4	84.8	85.8	85.8	86.0	86.4	86.4	86.6	86.9	87.0	87.1	87.4	87.7	87.9
≥ 1000	77.2	84.0	85.3	85.7	86.9	86.9	87.4	87.9	88.0	88.3	88.7	88.9	89.2	89.4	89.6	89.7
≥ 900	77.3	84.1	85.4	85.8	87.0	87.0	87.6	88.0	88.2	88.6	89.1	89.3	89.7	89.9	90.0	90.1
≥ 800	77.7	84.6	86.0	86.3	87.6	87.6	88.1	88.6	88.8	89.1	89.7	89.9	90.2	90.4	90.6	90.7
≥ 700	77.7	84.6	86.0	86.4	87.8	87.8	88.6	89.0	89.2	89.6	90.1	90.3	90.7	90.9	91.0	91.1
≥ 600	77.7	84.7	86.2	86.7	88.0	88.0	88.8	89.2	89.4	89.8	90.3	90.6	90.9	91.1	91.2	91.3
≥ 500	77.8	85.0	86.6	87.0	88.3	88.3	89.4	90.0	90.3	90.8	91.3	91.7	92.0	92.3	92.6	92.8
≥ 400	78.3	86.1	88.3	89.9	90.4	90.4	91.6	92.4	92.8	93.3	94.1	94.6	95.1	95.4	95.9	96.2
≥ 300	78.4	87.0	89.3	89.9	91.7	91.7	92.9	93.9	94.2	94.9	95.7	96.6	97.1	97.6	98.0	98.6
≥ 200	78.4	87.0	89.3	89.9	91.7	91.7	93.0	94.2	94.6	95.3	96.2	97.1	97.7	98.1	98.9	99.8
≥ 100	78.4	87.0	89.3	89.9	91.7	91.7	93.0	94.2	94.6	95.3	96.2	97.1	97.8	98.2	99.0	99.9
≥ 0	78.4	87.0	89.3	89.9	91.7	91.7	93.0	94.2	94.6	95.3	96.2	97.1	97.8	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEAR

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	30.6	31.6	31.8	31.8	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	33.0	33.0	33.2	33.3
≥ 20000	32.3	33.3	33.5	33.6	33.8	33.9	34.0	34.2	34.2	34.3	34.5	34.5	34.7	34.7	35.0	35.1
≥ 18000	33.4	34.6	34.8	34.8	35.1	35.2	35.3	35.5	35.5	35.6	35.8	35.8	36.0	36.1	36.3	36.4
≥ 16000	33.7	34.7	35.0	35.0	35.2	35.3	35.5	35.6	35.6	35.8	35.9	36.0	36.2	36.2	36.5	36.5
≥ 14000	34.5	35.5	35.7	35.7	36.0	36.1	36.2	36.4	36.4	36.6	36.7	36.7	36.9	37.0	37.2	37.3
≥ 12000	36.6	37.6	37.8	37.9	38.1	38.2	38.3	38.5	38.5	38.7	38.8	38.8	39.0	39.1	39.3	39.4
≥ 10000	40.0	41.2	41.5	41.5	41.8	41.9	42.0	42.1	42.1	42.3	42.5	42.5	42.7	42.7	43.0	43.1
≥ 9000	42.0	43.2	43.5	43.5	43.8	43.9	44.0	44.1	44.2	44.3	44.5	44.5	44.7	44.8	45.0	45.1
≥ 8000	48.1	49.6	49.8	49.9	50.1	50.2	50.3	50.5	50.5	50.7	50.9	50.9	51.1	51.2	51.5	51.5
≥ 7000	53.5	55.0	55.3	55.3	55.6	55.7	55.8	55.9	56.0	56.2	56.3	56.4	56.6	56.6	56.9	57.0
≥ 6000	57.2	58.9	59.2	59.2	59.5	59.6	59.7	59.9	59.9	60.1	60.3	60.3	60.5	60.6	60.9	61.0
≥ 5000	63.6	65.6	65.9	66.0	66.2	66.3	66.5	66.7	66.7	66.9	67.1	67.1	67.4	67.4	67.7	67.8
≥ 4500	66.6	68.8	69.1	69.2	69.4	69.5	69.7	69.9	69.9	70.1	70.3	70.4	70.6	70.6	70.9	71.0
≥ 4000	70.2	72.7	73.0	73.1	73.5	73.6	73.7	74.0	74.0	74.2	74.4	74.5	74.7	74.8	75.1	75.1
≥ 3500	72.1	74.9	75.3	75.5	75.8	75.9	76.1	76.3	76.3	76.6	76.8	76.8	77.0	77.1	77.4	77.5
≥ 3000	74.1	77.5	78.1	78.3	78.7	78.9	79.1	79.4	79.4	79.6	79.8	79.9	80.1	80.2	80.5	80.5
≥ 2500	75.4	79.2	80.0	80.2	80.7	80.8	81.1	81.4	81.4	81.6	81.8	81.9	82.1	82.2	82.5	82.5
≥ 2000	76.6	81.1	82.0	82.3	82.9	83.1	83.4	83.7	83.7	84.0	84.2	84.3	84.5	84.6	84.9	84.9
≥ 1800	76.8	81.3	82.2	82.6	83.2	83.4	83.7	84.0	84.1	84.4	84.6	84.6	84.9	84.9	85.2	85.3
≥ 1600	77.3	82.3	83.4	83.8	84.5	84.7	85.1	85.5	85.5	85.8	86.1	86.1	86.4	86.5	86.8	86.8
≥ 1400	77.6	82.8	84.0	84.5	85.3	85.6	86.0	86.5	86.6	87.0	87.3	87.4	87.7	87.7	88.0	88.1
≥ 1200	77.8	83.2	84.5	85.1	86.0	86.2	86.8	87.5	87.6	88.1	88.5	88.6	88.9	89.0	89.3	89.4
≥ 900	78.1	83.4	84.8	85.3	86.2	86.5	87.1	87.9	88.0	88.5	88.9	89.1	89.4	89.5	89.8	89.9
≥ 800	78.2	83.8	85.3	85.8	86.7	87.0	87.7	88.5	88.6	89.2	89.6	89.8	90.2	90.2	90.6	90.7
≥ 700	78.5	84.3	85.9	86.5	87.4	87.8	88.5	89.3	89.5	90.1	90.6	90.8	91.2	91.3	91.6	91.7
≥ 600	78.7	84.6	86.3	86.9	87.9	88.2	89.0	90.0	90.1	90.7	91.3	91.5	92.0	92.1	92.4	92.6
≥ 500	79.0	85.2	86.9	87.5	88.6	89.0	90.1	91.2	91.3	92.0	92.7	93.0	93.5	93.6	94.0	94.2
≥ 400	79.3	85.8	87.8	88.5	89.7	90.2	91.4	92.6	92.9	93.7	94.5	94.9	95.6	95.7	96.3	96.5
≥ 300	79.4	86.2	88.3	89.1	90.4	90.9	92.3	93.7	94.1	95.0	96.0	96.4	97.2	97.4	98.0	98.5
≥ 200	79.4	86.3	88.5	89.3	90.7	91.2	92.7	94.2	94.5	95.5	96.6	97.0	98.0	98.2	99.0	99.7
≥ 100	79.4	86.3	88.5	89.3	90.7	91.2	92.7	94.2	94.5	95.5	96.6	97.0	98.0	98.2	99.2	99.9
≥ 0	79.4	86.3	88.5	89.3	90.7	91.2	92.7	94.2	94.5	95.5	96.6	97.0	98.1	98.3	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7720 ELMENDORF AFB AK

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

		VISIBILITY - STATUTE MILES															
		20	26	31	34	37	40	43	46	49	52	55	58	61	64	67	70
NO.	FEET																
1	2000	32.8	34.4	34.4	34.5	34.6	34.6	34.8	34.9	34.9	35.1	35.2	35.2	35.7	35.7	35.9	36.2
2	1800	33.1	34.7	34.7	34.8	34.9	34.9	35.2	35.3	35.3	35.4	35.5	35.5	36.0	36.0	36.2	36.6
3	1600	34.0	35.6	35.6	35.7	35.8	35.8	36.0	36.1	36.1	36.2	36.3	36.3	37.0	37.0	37.2	37.5
4	1400	34.7	36.3	36.3	36.5	36.6	36.6	36.8	36.9	36.9	37.0	37.1	37.1	37.7	37.7	38.0	38.3
5	1200	35.9	37.5	37.5	37.6	37.7	37.7	38.0	38.1	38.1	38.2	38.3	38.3	38.9	38.9	39.1	39.5
6	1000	37.6	39.4	39.4	39.5	39.6	39.6	39.8	39.9	39.9	40.0	40.1	40.1	40.8	40.8	41.0	41.3
7	800	40.4	42.3	42.3	42.4	42.5	42.5	42.7	42.8	42.8	42.9	43.0	43.0	43.7	43.7	43.9	44.2
8	600	42.0	43.9	43.9	44.0	44.1	44.1	44.3	44.4	44.4	44.5	44.6	44.6	45.3	45.3	45.5	45.8
9	400	48.1	49.9	49.9	50.0	50.1	50.1	50.3	50.4	50.4	50.5	50.6	50.6	51.3	51.3	51.5	51.8
10	200	51.9	53.8	53.8	53.9	54.0	54.0	54.2	54.4	54.4	54.5	54.6	54.6	55.3	55.3	55.5	55.8
11	100	54.0	55.8	55.8	56.0	56.1	56.1	56.3	56.6	56.6	56.7	56.8	56.8	57.4	57.4	57.6	58.0
12	50	57.4	59.4	59.4	59.6	59.8	59.8	60.0	60.2	60.2	60.3	60.5	60.5	61.2	61.2	61.4	61.7
13	25	60.9	63.0	63.2	63.4	63.8	63.8	64.0	64.2	64.2	64.3	64.5	64.5	65.2	65.2	65.4	65.7
14	10	64.3	66.7	67.0	67.2	67.5	67.5	67.7	68.0	68.0	68.1	68.3	68.3	68.9	68.9	69.1	69.5
15	5	67.2	70.9	70.9	71.1	71.4	71.4	71.6	71.8	71.8	71.9	72.2	72.2	72.8	72.8	73.0	73.3
16	2	69.3	73.0	73.3	74.0	74.3	74.3	74.5	74.7	74.7	74.8	75.1	75.1	75.7	75.7	75.9	76.2
17	1	70.2	74.8	75.9	76.3	76.7	76.7	77.0	77.2	77.2	77.3	77.5	77.5	78.2	78.2	78.4	78.7
18	0.5	72.2	77.5	78.7	79.2	79.8	80.0	80.4	80.9	81.0	81.1	81.3	81.3	81.9	81.9	82.2	82.5
19	0.2	72.4	77.8	79.1	79.7	80.4	80.6	81.1	81.5	81.6	81.7	81.9	81.9	82.6	82.6	82.8	83.1
20	0.1	73.3	79.4	80.9	81.7	82.7	83.1	84.0	84.7	84.8	84.9	85.2	85.2	85.8	85.8	86.0	86.3
21	0.05	74.3	80.2	82.0	83.0	84.0	84.5	85.6	86.5	86.7	86.8	87.0	87.0	87.6	87.6	87.8	88.2
22	0.02	74.5	80.8	82.6	83.5	84.5	85.1	86.2	87.2	87.5	87.6	87.8	87.8	88.5	88.5	88.7	89.0
23	0.01	74.5	80.9	82.7	83.7	84.7	85.4	86.7	87.7	88.1	88.3	88.5	88.5	89.1	89.1	89.4	89.7
24	0.005	74.7	81.1	82.9	84.0	85.3	85.9	87.2	88.3	88.6	88.9	89.1	89.5	90.1	90.1	90.3	90.6
25	0.002	75.1	81.5	83.3	84.4	85.7	86.3	87.6	88.9	89.4	89.7	89.9	90.2	90.9	90.9	91.1	91.4
26	0.001	75.3	81.8	83.7	84.8	86.1	86.8	88.1	89.4	89.8	90.1	90.3	90.6	91.3	91.3	91.5	91.8
27	0.0005	75.5	82.0	83.9	85.1	86.6	87.3	88.7	90.2	90.6	91.0	91.2	91.5	92.2	92.2	92.4	92.7
28	0.0002	75.6	82.6	84.4	85.6	87.2	88.1	89.9	91.6	92.0	92.4	92.7	93.1	93.9	93.9	94.1	94.6
29	0.0001	75.7	83.0	84.8	86.1	87.7	88.6	90.4	92.2	92.6	92.9	93.4	93.9	94.6	94.7	95.2	95.9
30	0.00005	75.9	83.4	85.3	86.7	88.6	89.5	91.4	93.3	93.8	94.7	95.6	96.0	97.1	97.3	98.1	99.4
31	0.00002	75.9	83.4	85.3	86.7	88.6	89.5	91.4	93.3	93.8	94.7	95.7	96.1	97.5	97.7	98.6	99.9
32	0.00001	75.9	83.4	85.3	86.7	88.6	89.5	91.4	93.3	93.8	94.7	95.7	96.1	97.5	97.7	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	32.6	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.1	34.1	34.2	34.2	34.4	34.7
≥18000	33.2	34.4	34.5	34.5	34.5	34.5	34.6	34.6	34.6	34.7	34.8	34.8	34.9	34.9	35.2	35.5
≥16000	34.2	35.4	35.5	35.5	35.5	35.5	35.6	35.6	35.6	35.8	35.9	35.9	36.0	36.1	36.7	37.0
≥14000	34.3	36.0	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.5	36.6	36.6	36.7	36.8	37.3	37.6
≥12000	35.7	36.9	37.0	37.0	37.0	37.0	37.1	37.1	37.1	37.3	37.4	37.4	37.5	37.6	38.2	38.5
≥10000	38.8	40.2	40.3	40.3	40.3	40.3	40.4	40.4	40.4	40.6	40.8	40.8	40.9	41.0	41.5	41.8
≥8000	41.6	43.1	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.7	43.9	43.9	44.0	44.1	44.6	44.9
≥6000	43.3	44.9	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.5	45.7	45.7	45.8	45.9	46.5	46.8
≥4000	49.4	51.1	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.7	51.9	51.9	52.0	52.2	52.7	53.0
≥2000	53.1	55.1	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.7	55.9	55.9	56.0	56.1	56.7	57.0
≥1000	55.6	57.6	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.3	58.5	58.5	58.6	58.7	59.2	59.6
≥500	59.5	61.7	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.4	62.6	62.7	62.8	62.9	63.5	63.9
≥250	62.9	65.3	65.7	65.7	65.7	65.7	65.8	65.8	65.8	66.0	66.2	66.5	66.6	66.7	67.3	67.6
≥125	66.9	70.0	70.6	70.6	70.6	70.6	70.8	70.8	70.8	71.0	71.2	71.4	71.5	71.6	72.3	72.6
≥75	69.2	73.0	73.7	73.7	73.7	73.7	73.8	73.8	73.8	74.0	74.2	74.4	74.5	74.6	75.3	75.6
≥50	71.9	75.8	76.7	76.7	76.7	76.7	76.8	76.8	76.8	77.0	77.2	77.4	77.5	77.6	78.3	78.6
≥25	72.6	78.0	78.9	78.9	79.0	79.0	79.1	79.1	79.1	79.4	79.6	79.8	79.9	80.0	80.6	81.0
≥15	74.2	80.5	81.8	81.9	82.2	82.2	82.4	82.4	82.4	82.6	82.8	83.0	83.1	83.2	83.9	84.2
≥10	74.5	81.0	82.4	82.6	82.8	82.8	83.0	83.0	83.0	83.2	83.4	83.7	83.8	83.9	84.5	84.8
≥7.5	75.3	82.2	84.0	84.5	85.4	85.5	85.8	86.0	86.1	86.3	86.6	86.8	86.9	87.0	87.6	88.0
≥5	76.0	82.9	84.7	85.3	86.2	86.3	86.9	87.2	87.4	87.6	87.8	88.2	88.3	88.4	89.0	89.4
≥3.75	76.2	83.5	85.4	85.9	87.1	87.2	88.1	88.6	88.8	89.0	89.2	89.6	89.7	89.8	90.4	90.8
≥2.5	76.5	83.9	85.7	86.2	87.4	87.6	88.5	89.0	89.4	89.6	89.8	90.1	90.2	90.3	91.0	91.3
≥1.875	76.7	84.2	86.0	86.7	87.8	88.1	89.0	89.6	89.9	90.1	90.3	90.6	90.8	90.9	91.5	91.8
≥1.5	76.9	84.4	86.2	86.9	88.1	88.3	89.2	89.9	90.2	90.5	90.8	91.3	91.5	91.6	92.3	92.6
≥1.25	77.0	84.7	86.6	87.2	88.4	88.6	89.6	90.4	90.8	91.1	91.3	91.8	92.2	92.3	92.9	93.2
≥1.0	77.1	84.8	86.9	87.6	88.9	89.2	90.2	91.2	91.5	91.8	92.0	92.6	93.0	93.1	93.9	94.2
≥0.75	77.2	85.1	87.3	88.1	89.8	90.1	91.3	92.5	92.9	93.3	93.5	94.1	94.5	94.6	95.5	96.0
≥0.625	77.4	85.3	87.5	88.3	90.1	90.4	91.6	92.9	93.4	93.9	94.1	94.6	95.3	95.4	96.3	96.9
≥0.5	77.4	85.5	87.7	88.6	90.5	90.9	92.0	93.7	94.3	94.9	95.6	96.1	96.9	97.0	98.2	99.2
≥0.4	77.4	85.7	88.0	88.8	90.8	91.1	92.3	93.9	94.5	95.2	96.0	96.6	97.3	97.4	98.6	99.7
≥0.375	77.4	85.7	88.0	88.8	90.8	91.1	92.3	93.9	94.5	95.2	96.0	96.6	97.3	97.4	98.6	99.7

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 722 ELMENDORF AFB AK

73-82

DLC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	32.9	35.1	35.3	35.3	35.4	35.4	35.4	35.5	35.7	35.9	36.0	36.0	36.1	36.1	36.2	36.3
18000	33.4	35.9	36.1	36.1	36.2	36.2	36.3	36.5	36.7	36.9	37.0	37.0	37.1	37.1	37.2	37.3
16000	34.7	37.2	37.4	37.4	37.5	37.5	37.6	37.7	38.0	38.2	38.3	38.3	38.4	38.4	38.5	38.6
14000	35.4	37.8	38.1	38.1	38.2	38.2	38.3	38.4	38.6	38.8	38.9	38.9	39.0	39.0	39.1	39.2
12000	36.0	38.5	38.7	38.7	38.8	38.8	38.9	39.0	39.2	39.5	39.6	39.6	39.7	39.7	39.8	39.9
10000	38.6	41.3	41.5	41.5	41.6	41.6	41.7	41.8	42.0	42.3	42.4	42.4	42.5	42.5	42.6	42.7
8000	41.4	44.1	44.3	44.3	44.4	44.4	44.5	44.6	44.8	45.1	45.2	45.2	45.3	45.3	45.4	45.5
6000	42.6	45.3	45.5	45.5	45.6	45.6	45.7	45.8	46.0	46.2	46.3	46.3	46.5	46.5	46.6	46.7
4000	49.6	52.4	52.6	52.6	52.7	52.7	52.8	52.9	53.1	53.3	53.4	53.4	53.5	53.5	53.7	53.8
2000	53.7	56.9	57.1	57.1	57.2	57.2	57.3	57.4	57.6	57.8	58.0	58.0	58.1	58.1	58.2	58.3
1000	57.1	60.4	60.6	60.6	60.8	60.8	60.9	61.0	61.2	61.4	61.5	61.5	61.6	61.6	61.7	61.8
500	61.5	65.2	65.5	65.5	65.6	65.6	65.7	65.8	66.0	66.2	66.3	66.3	66.5	66.5	66.6	66.7
200	64.7	68.6	69.0	69.0	69.1	69.1	69.2	69.4	69.6	69.8	69.9	69.9	70.0	70.0	70.1	70.2
100	69.0	73.7	74.1	74.1	74.2	74.2	74.3	74.4	74.6	74.8	74.9	74.9	75.1	75.1	75.2	75.3
50	71.1	76.5	77.2	77.2	77.3	77.3	77.4	77.5	77.7	78.0	78.1	78.1	78.2	78.2	78.3	78.4
25	72.9	78.6	79.6	79.6	79.7	79.7	79.8	79.9	80.1	80.3	80.4	80.4	80.5	80.5	80.6	80.8
10	74.5	80.9	81.9	82.0	82.2	82.2	82.3	82.4	82.6	82.8	82.9	82.9	83.0	83.0	83.1	83.2
5	75.2	82.5	83.8	83.9	84.0	84.0	84.1	84.2	84.4	84.6	84.7	84.7	84.8	84.8	84.9	85.1
2	75.7	83.1	84.4	84.7	84.8	84.8	84.9	85.2	85.4	85.6	85.7	85.7	85.8	85.8	85.9	86.0
1	76.6	84.4	85.8	86.6	87.2	87.2	87.3	87.5	87.8	88.1	88.2	88.2	88.3	88.3	88.4	88.5
0.5	77.0	84.9	86.5	87.2	88.1	88.2	88.4	88.6	89.0	89.2	89.4	89.5	89.6	89.6	89.7	89.8
0.25	77.0	85.3	87.0	87.8	88.8	88.9	89.2	89.7	90.1	90.3	90.4	90.5	90.6	90.6	90.8	90.9
0.1	77.1	85.5	87.2	88.2	89.1	89.2	89.6	90.1	90.5	90.8	90.9	91.0	91.1	91.1	91.2	91.3
0.05	77.2	85.6	87.3	88.3	89.5	89.7	90.0	90.8	91.2	91.4	91.7	91.8	91.9	91.9	92.0	92.2
0.025	77.5	86.3	88.1	89.0	90.3	90.5	90.9	91.6	92.0	92.4	92.7	92.8	92.9	92.9	93.0	93.1
0.01	77.6	86.6	88.3	89.2	90.5	90.9	91.2	91.9	92.4	92.7	93.1	93.2	93.3	93.3	93.4	93.5
0.005	78.2	87.3	89.2	90.4	91.7	92.2	92.5	93.4	93.9	94.3	94.7	94.8	94.9	94.9	95.1	95.2
0.0025	78.4	87.6	89.6	90.8	92.2	92.6	93.0	94.2	94.7	95.4	95.9	96.0	96.2	96.2	96.6	96.7
0.001	78.5	87.7	89.8	91.0	92.5	92.9	93.5	94.8	95.4	96.2	97.0	97.1	97.3	97.3	97.6	97.7
0.0005	78.5	87.8	90.1	91.3	92.9	93.3	94.0	95.4	95.9	96.9	97.6	97.7	98.2	98.2	98.6	99.1
0.00025	78.5	87.8	90.1	91.3	93.0	93.4	94.1	95.5	96.0	97.1	98.0	98.1	98.5	98.5	99.2	100.0
0.0001	78.5	87.8	90.1	91.3	93.0	93.4	94.1	95.5	96.0	97.1	98.0	98.1	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720

ELMENDORF AFB AK

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1990-1100

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	33.1	31.1	31.4	31.6	31.6	31.6	31.7	31.8	31.8	32.3	32.4	32.4	32.8	32.8	33.1	33.4
≥ 20000	31.6	32.8	33.1	33.5	33.5	33.5	33.8	33.9	33.9	34.3	34.4	34.4	34.8	34.8	35.2	35.5
≥ 18000	32.2	33.3	33.7	34.1	34.1	34.1	34.3	34.4	34.5	34.9	35.1	35.1	35.5	35.5	35.8	36.1
≥ 16000	32.8	34.0	34.3	34.7	34.7	34.7	34.9	35.1	35.2	35.6	35.7	35.7	36.1	36.1	36.5	36.8
≥ 14000	33.3	34.9	35.3	35.7	35.7	35.7	35.9	36.0	36.1	36.6	36.7	36.7	37.1	37.1	37.4	37.7
≥ 12000	35.7	36.9	37.3	37.7	37.7	37.7	38.0	38.1	38.2	38.6	38.7	38.7	39.1	39.1	39.5	39.8
≥ 10000	38.7	40.0	40.4	40.9	40.9	40.9	41.1	41.2	41.3	41.7	41.8	41.8	42.4	42.4	42.7	43.0
≥ 9000	41.0	42.3	42.7	43.1	43.1	43.1	43.3	43.3	43.5	43.7	44.2	44.3	44.3	44.8	45.2	45.5
≥ 8000	48.0	49.2	49.7	50.1	50.1	50.1	50.3	50.5	50.6	51.2	51.3	51.3	51.8	51.8	52.2	52.5
≥ 7000	55.8	57.1	57.5	58.0	58.1	58.1	58.4	58.6	58.7	59.2	59.4	59.4	59.9	59.9	60.2	60.5
≥ 6000	60.9	62.2	62.6	63.0	63.1	63.1	63.4	63.7	63.8	64.3	64.4	64.4	64.9	64.9	65.3	65.6
≥ 5000	63.8	65.4	65.8	66.2	66.3	66.3	66.7	67.1	67.2	67.7	68.0	68.0	68.5	68.5	68.8	69.1
≥ 4500	65.7	67.6	68.2	68.7	68.8	68.8	69.1	69.6	69.7	70.2	70.4	70.4	71.0	71.0	71.3	71.6
≥ 4000	69.9	72.3	72.8	73.3	73.7	73.7	74.2	74.7	74.8	75.4	75.6	75.6	76.1	76.1	76.5	76.8
≥ 3500	72.3	75.2	75.8	76.5	77.0	77.0	77.5	78.2	78.3	78.8	79.0	79.0	79.6	79.6	79.9	80.2
≥ 3000	74.3	77.4	78.3	78.9	79.7	79.7	80.2	81.0	81.1	81.6	81.8	81.8	82.4	82.4	82.7	83.0
≥ 2500	75.5	78.7	79.9	80.5	81.4	81.4	81.9	82.8	82.9	83.5	83.8	83.8	84.3	84.3	84.6	84.9
≥ 2000	76.1	79.9	81.5	82.4	83.3	83.4	84.0	85.2	85.3	85.9	86.1	86.1	86.7	86.7	87.0	87.3
≥ 1800	76.2	80.1	81.9	82.7	83.7	83.9	84.4	85.6	85.7	86.3	86.6	86.6	87.1	87.1	87.4	87.7
≥ 1600	76.7	81.1	82.8	83.7	84.7	84.9	85.6	86.9	87.1	87.7	88.0	88.0	88.5	88.5	88.8	89.1
≥ 1400	77.1	81.5	83.3	84.2	85.5	85.8	86.6	88.0	88.2	88.8	89.1	89.1	89.7	89.7	90.0	90.3
≥ 1200	77.1	81.6	83.4	84.3	85.6	85.9	86.9	88.4	88.8	89.5	89.9	90.0	90.5	90.5	90.9	91.2
≥ 1000	77.1	81.6	83.4	84.3	85.6	85.9	86.9	88.4	88.8	89.7	90.2	90.3	91.0	91.1	91.4	91.7
≥ 900	77.2	81.7	83.5	84.4	85.7	86.0	87.0	88.5	88.9	89.9	90.4	90.5	91.2	91.3	91.6	91.9
≥ 800	77.2	81.7	83.5	84.4	85.7	86.0	87.0	88.5	88.9	89.9	90.4	90.5	91.2	91.3	91.6	91.9
≥ 700	77.2	81.8	83.8	84.6	85.9	86.2	87.4	89.1	89.6	90.6	91.3	91.4	92.0	92.2	92.5	92.8
≥ 600	77.3	81.9	83.9	84.7	86.0	86.5	87.6	89.4	89.9	91.0	91.6	91.7	92.4	92.5	92.8	93.1
≥ 500	77.5	82.3	84.2	85.1	86.6	87.0	88.2	90.0	90.5	91.6	92.6	92.7	93.3	93.4	93.8	94.1
≥ 400	77.5	82.4	84.3	85.2	86.8	87.2	88.5	90.4	91.0	92.3	93.4	93.5	94.5	94.7	95.2	95.5
≥ 300	77.5	82.4	84.3	85.3	87.1	87.6	89.0	91.2	91.8	93.3	94.7	94.9	96.0	96.3	96.8	97.1
≥ 200	77.5	82.5	84.4	85.4	87.3	88.0	89.5	91.7	92.4	93.9	95.3	95.5	97.0	97.3	98.0	99.0
≥ 100	77.5	82.5	84.4	85.4	87.3	88.0	89.5	91.7	92.4	93.9	95.3	95.5	97.1	97.4	98.2	99.8
≥ 0	77.5	82.5	84.4	85.4	87.3	88.0	89.5	91.7	92.4	93.9	95.3	95.5	97.1	97.4	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1220-1430

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	28.1	30.1	30.2	30.5	30.6	30.6	30.7	30.9	31.0	31.0	31.3	31.3	31.3	31.3	31.5	31.5
≥ 20000	29.5	31.6	31.9	32.1	32.2	32.2	32.3	32.5	32.6	32.7	33.0	33.2	33.3	33.3	33.6	33.6
≥ 18000	30.6	32.7	32.9	33.2	33.3	33.3	33.4	33.6	33.7	33.8	34.2	34.3	34.4	34.4	34.8	35.0
≥ 16000	30.9	33.0	33.3	33.5	33.6	33.6	33.7	33.9	34.0	34.1	34.6	34.7	34.8	34.8	35.1	35.3
≥ 14000	32.1	34.2	34.4	34.8	34.9	34.9	35.0	35.2	35.3	35.4	35.8	36.0	36.1	36.1	36.4	36.6
≥ 12000	34.1	36.4	36.6	37.0	37.1	37.1	37.2	37.6	37.7	37.8	38.2	38.3	38.4	38.4	38.8	39.0
≥ 10000	37.5	39.7	39.9	40.4	40.5	40.5	40.6	40.9	41.0	41.1	41.6	41.7	41.8	41.8	42.1	42.3
≥ 9000	39.0	41.4	41.8	42.2	42.3	42.3	42.4	42.7	42.8	42.9	43.4	43.5	43.6	43.6	43.9	44.1
≥ 8000	44.9	47.4	47.7	48.1	48.2	48.2	48.3	48.8	48.9	49.0	49.4	49.5	49.7	49.7	50.1	50.3
≥ 7000	52.3	54.9	55.2	55.7	55.8	55.8	55.9	56.3	56.4	56.5	56.9	57.1	57.3	57.3	57.6	57.8
≥ 6000	56.6	59.4	59.8	60.3	60.4	60.4	60.5	60.9	61.0	61.1	61.6	61.7	61.9	61.9	62.2	62.4
≥ 5000	62.5	65.8	66.4	66.8	67.1	67.1	67.2	67.6	67.7	67.8	68.2	68.4	68.7	68.7	69.0	69.2
≥ 4500	66.1	69.4	70.1	70.5	70.7	70.7	70.8	71.3	71.4	71.5	71.9	72.0	72.3	72.3	72.7	72.9
≥ 4000	69.3	72.8	73.6	74.1	74.3	74.3	74.4	75.0	75.1	75.2	75.8	75.9	76.2	76.2	76.5	76.7
≥ 3500	71.4	75.0	75.9	76.3	76.6	76.6	76.7	77.4	77.5	77.6	78.1	78.3	78.6	78.6	78.9	79.1
≥ 3000	73.3	77.7	78.7	79.1	79.4	79.4	79.7	80.3	80.4	80.5	81.1	81.2	81.5	81.5	81.8	82.0
≥ 2500	74.6	79.5	80.5	81.1	81.5	81.6	82.0	82.7	82.8	82.9	83.4	83.5	83.9	83.9	84.2	84.4
≥ 2000	75.5	80.9	82.3	83.0	83.7	83.9	84.3	85.4	85.5	85.6	86.1	86.2	86.5	86.5	86.9	87.1
≥ 1800	75.6	81.4	82.8	83.6	84.4	84.5	84.9	86.0	86.2	86.3	86.9	87.0	87.3	87.3	87.6	87.8
≥ 1500	75.7	81.6	83.1	84.1	84.9	85.0	85.6	86.9	87.4	87.5	88.1	88.2	88.5	88.5	88.8	89.0
≥ 1200	75.9	82.0	83.7	84.7	85.7	86.1	86.8	88.2	88.7	88.8	89.3	89.5	89.8	89.8	90.1	90.3
≥ 1000	75.9	82.3	84.1	85.0	86.0	86.4	87.1	88.7	89.3	89.5	90.4	90.6	91.1	91.1	91.4	91.6
≥ 900	76.0	82.6	84.3	85.4	86.3	86.8	87.4	89.1	89.8	89.9	90.9	91.1	91.6	91.6	91.9	92.1
≥ 800	76.2	82.7	84.5	85.6	86.8	87.2	88.1	89.9	90.5	90.7	91.9	92.1	92.7	92.7	93.0	93.3
≥ 700	76.3	83.0	84.8	85.9	87.1	87.5	88.4	90.2	91.0	91.2	92.4	92.7	93.3	93.3	93.6	94.0
≥ 600	77.2	83.9	85.7	86.9	88.1	88.5	89.3	91.3	92.0	92.2	94.0	94.4	95.0	95.0	95.4	95.7
≥ 500	77.3	84.2	86.1	87.4	88.7	89.1	90.4	92.4	93.1	93.4	95.4	95.8	96.6	96.6	96.9	97.2
≥ 400	77.4	84.3	86.2	87.5	88.8	89.2	90.5	92.7	93.4	93.8	95.8	96.2	97.0	97.0	97.3	97.6
≥ 300	77.4	84.3	86.2	87.5	88.8	89.2	90.6	92.8	93.5	93.9	96.0	96.4	97.1	97.5	97.6	98.2
≥ 200	77.4	84.3	86.2	87.5	88.8	89.2	90.6	92.8	93.5	94.1	96.4	97.1	98.2	98.4	99.1	99.7
≥ 100	77.4	84.3	86.3	87.6	88.9	89.3	90.7	92.9	93.6	94.2	96.6	97.2	98.4	98.6	99.4	100.0
≥ 50	77.4	84.3	86.3	87.6	88.9	89.3	90.7	92.9	93.6	94.2	96.6	97.2	98.4	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1520-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	27.7	29.7	30.0	30.0	30.2	30.2	30.3	30.5	30.5	30.7	31.0	31.1	31.2	31.2	31.2	31.5
≥ 20000	29.3	31.3	31.6	31.6	31.9	31.9	32.0	32.3	32.3	32.5	32.7	32.8	32.9	32.9	32.9	33.2
≥ 18000	30.4	32.5	32.8	32.8	33.1	33.1	33.2	33.4	33.4	33.7	33.9	34.0	34.1	34.1	34.1	34.4
≥ 16000	31.1	33.3	33.7	33.7	34.0	34.0	34.1	34.3	34.3	34.5	34.7	34.8	35.0	35.0	35.0	35.3
≥ 14000	32.1	34.2	34.5	34.5	34.8	34.8	35.0	35.2	35.2	35.4	35.6	35.7	35.8	35.8	35.8	36.1
≥ 12000	33.0	35.1	35.4	35.4	35.7	35.7	35.8	36.0	36.0	36.2	36.5	36.6	36.7	36.7	36.7	37.0
≥ 10000	35.6	37.9	38.2	38.2	38.5	38.5	38.6	38.8	38.8	39.1	39.3	39.4	39.5	39.5	39.5	39.8
≥ 9000	38.0	40.2	40.6	40.6	40.9	40.9	41.0	41.2	41.2	41.4	41.6	41.7	41.9	41.9	41.9	42.2
≥ 8000	44.6	47.2	47.8	47.8	48.1	48.1	48.2	48.4	48.4	48.7	48.9	49.0	49.1	49.1	49.1	49.4
≥ 7000	50.7	53.6	54.2	54.2	54.5	54.5	54.6	54.8	54.8	55.0	55.2	55.3	55.4	55.4	55.4	55.8
≥ 6000	53.2	56.3	57.1	57.0	57.3	57.3	57.4	57.6	57.6	57.8	58.0	58.1	58.3	58.3	58.3	58.6
≥ 5000	58.7	62.1	62.8	62.8	63.2	63.3	63.4	63.6	63.6	63.9	64.1	64.2	64.3	64.3	64.3	64.6
≥ 4500	62.7	66.1	66.9	66.9	67.3	67.4	67.5	67.7	67.7	68.0	68.2	68.3	68.4	68.4	68.4	68.7
≥ 4000	66.7	69.9	70.7	70.7	71.2	71.3	71.4	71.6	71.6	71.8	72.1	72.2	72.3	72.3	72.3	72.6
≥ 3500	69.3	73.4	74.4	74.4	75.0	75.1	75.2	75.4	75.4	75.6	75.8	75.9	76.1	76.1	76.1	76.4
≥ 3000	72.1	76.4	77.5	77.5	78.1	78.2	78.3	78.5	78.5	78.7	79.0	79.1	79.3	79.3	79.3	79.6
≥ 2500	72.5	77.2	78.5	78.6	79.3	79.4	79.5	79.7	79.7	79.9	80.2	80.3	80.5	80.5	80.5	80.8
≥ 2000	74.1	79.7	81.2	81.4	82.2	82.3	82.5	83.1	83.1	83.3	83.5	83.6	83.8	83.8	83.8	84.1
≥ 1800	74.4	80.0	81.7	82.0	82.8	83.0	83.2	83.7	83.7	83.9	84.1	84.3	84.5	84.5	84.5	84.8
≥ 1500	74.7	80.6	82.4	82.7	83.9	84.0	84.4	85.1	85.3	85.5	85.8	85.9	86.2	86.2	86.2	86.5
≥ 1200	75.3	81.1	83.1	83.5	84.9	85.0	85.8	86.8	87.2	87.5	87.8	87.9	88.3	88.3	88.3	88.7
≥ 1000	75.3	81.3	83.4	83.9	85.5	85.7	86.4	87.8	88.5	88.8	89.2	89.3	89.8	89.8	89.8	90.1
≥ 900	75.5	81.6	83.6	84.3	86.1	86.3	87.1	88.5	89.2	89.6	90.2	90.3	90.7	90.7	90.7	91.0
≥ 800	75.5	81.7	83.7	84.4	86.2	86.4	87.3	88.8	89.5	90.1	90.6	90.7	91.2	91.2	91.2	91.5
≥ 700	75.5	81.7	83.7	84.5	86.3	86.5	87.4	88.9	89.6	90.3	90.9	91.0	91.5	91.5	91.5	91.8
≥ 600	75.6	81.8	83.8	84.6	86.5	86.7	87.8	89.5	90.4	91.0	92.1	92.2	92.7	92.7	92.7	93.0
≥ 500	76.2	83.0	85.0	85.8	87.8	88.0	89.1	90.9	91.8	93.0	94.1	94.2	94.6	94.6	94.6	94.9
≥ 400	76.4	83.7	85.8	86.7	89.0	89.3	90.4	92.7	93.5	94.7	95.8	95.9	96.5	96.5	96.5	97.0
≥ 300	76.4	83.8	86.1	87.1	89.4	89.8	90.8	93.3	94.2	95.5	96.7	96.8	97.6	97.8	98.0	98.5
≥ 200	76.4	83.8	86.2	87.2	89.5	89.9	90.9	93.6	94.5	95.8	97.1	97.5	98.4	98.6	98.8	99.8
≥ 100	76.4	83.8	86.2	87.2	89.5	89.9	90.9	93.6	94.5	95.8	97.1	97.5	98.4	98.6	98.8	99.9
≥ 0	76.5	83.9	86.3	87.3	89.6	90.0	91.0	93.7	94.6	95.9	97.2	97.6	98.5	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	26.4	28.5	29.7	29.0	29.8	29.8	29.9	30.1	30.1	30.7	31.3	31.3	31.6	31.7	32.0	32.0
≥ 20000	27.5	29.6	30.1	30.1	31.0	31.0	31.1	31.3	31.3	31.9	32.5	32.5	32.8	32.9	33.2	33.2
≥ 18000	28.9	31.0	31.5	31.5	32.4	32.4	32.5	32.7	32.7	33.3	33.9	33.9	34.2	34.3	34.6	34.6
≥ 16000	30.1	32.1	32.7	32.7	33.5	33.5	33.7	33.9	33.9	34.5	35.1	35.1	35.4	35.5	35.8	35.8
≥ 14000	31.2	33.2	33.9	33.8	34.6	34.6	34.7	35.0	35.0	35.6	36.1	36.1	36.5	36.6	36.9	36.9
≥ 12000	32.6	34.8	35.4	35.4	36.2	36.2	36.4	36.6	36.6	37.2	37.8	37.8	38.1	38.2	38.5	38.5
≥ 10000	35.2	37.4	38.7	38.0	38.8	38.8	38.9	39.2	39.2	39.8	40.3	40.3	40.7	40.8	41.1	41.1
≥ 9000	36.2	39.3	39.8	39.8	40.7	40.7	40.8	41.0	41.0	41.6	42.2	42.2	42.5	42.6	42.9	42.9
≥ 8000	43.4	45.8	46.4	46.4	47.2	47.2	47.4	47.6	47.6	48.2	48.8	48.8	49.1	49.2	49.5	49.5
≥ 7000	49.5	52.0	52.5	52.5	53.4	53.4	53.5	53.7	53.7	54.4	54.9	54.9	55.2	55.3	55.7	55.7
≥ 6000	51.7	54.2	54.7	54.7	55.6	55.6	55.7	55.9	55.9	56.5	57.1	57.1	57.4	57.5	57.8	57.8
≥ 5000	56.2	59.7	60.2	60.2	61.1	61.1	61.2	61.4	61.4	62.0	62.6	62.6	62.9	63.0	63.3	63.3
≥ 4500	61.6	64.5	65.0	65.2	66.0	66.0	66.1	66.3	66.3	67.0	67.5	67.5	67.9	68.0	68.3	68.3
≥ 4000	64.5	68.3	68.8	68.8	69.8	69.8	69.9	70.1	70.1	70.8	71.3	71.3	71.6	71.7	72.1	72.1
≥ 3500	66.9	71.0	71.6	71.7	72.6	72.6	72.7	72.9	72.9	73.6	74.1	74.1	74.4	74.5	74.9	74.9
≥ 3000	68.8	73.6	74.5	74.6	75.5	75.5	75.6	75.8	75.8	76.6	77.2	77.2	77.6	77.7	78.0	78.0
≥ 2500	70.0	75.5	76.6	76.7	77.9	77.9	78.1	78.3	78.3	79.1	79.7	79.7	80.0	80.2	80.5	80.5
≥ 2100	72.1	78.2	79.4	79.5	81.0	81.1	81.3	81.6	81.6	82.3	83.0	83.0	83.3	83.4	83.7	83.7
≥ 1800	72.3	78.6	79.9	80.0	81.7	81.8	82.0	82.3	82.3	83.1	83.7	83.7	84.0	84.1	84.5	84.5
≥ 1500	72.6	79.4	80.8	80.9	83.0	83.1	83.3	83.6	83.6	84.4	85.0	85.0	85.3	85.4	85.8	85.8
≥ 1200	72.8	79.6	81.2	81.4	83.7	83.9	84.3	84.8	84.8	85.7	86.3	86.3	86.6	86.7	87.1	87.1
≥ 1000	73.2	80.2	82.0	82.2	84.6	84.9	85.5	86.7	86.8	88.0	88.8	88.8	89.1	89.2	89.5	89.5
≥ 900	73.2	80.3	82.3	82.5	84.9	85.2	86.1	87.2	87.3	88.7	89.4	89.4	89.8	89.9	90.2	90.2
≥ 800	73.2	80.5	82.5	82.8	85.4	85.8	86.5	87.8	88.1	89.8	90.5	90.5	90.9	91.0	91.4	91.4
≥ 700	73.6	80.9	83.0	83.3	85.9	86.2	86.9	88.2	88.7	90.3	91.0	91.0	91.5	91.6	91.9	91.9
≥ 600	73.6	81.0	83.2	83.5	86.2	86.6	87.4	89.0	89.4	91.0	91.8	91.8	92.2	92.3	92.8	92.8
≥ 500	73.7	81.6	83.9	84.4	87.2	87.7	88.5	90.2	90.6	92.2	93.0	93.0	93.4	93.5	94.0	94.0
≥ 400	74.1	82.2	84.6	85.0	87.8	88.3	89.4	91.2	91.7	93.4	94.2	94.2	94.6	94.8	95.3	95.3
≥ 300	74.3	82.7	85.1	85.8	88.9	89.4	90.7	92.6	93.1	94.9	95.9	95.9	96.8	97.1	97.8	98.1
≥ 200	74.3	82.7	85.1	85.8	88.9	89.4	90.7	92.7	93.4	95.4	96.5	96.7	97.6	98.0	98.8	99.1
≥ 100	74.3	82.8	85.2	85.9	89.0	89.5	90.8	92.9	93.6	95.6	96.8	97.2	98.3	98.7	99.6	99.9
≥ 0	74.3	82.8	85.2	85.9	89.0	89.5	90.8	92.9	93.6	95.6	96.8	97.2	98.3	98.7	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 927

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-62

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	22	21	21	20	20	19	19	18	18	17
27000	27.8	30.6	31.1	31.3	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	32.3	32.4	32.6
26000	26.7	31.5	31.9	32.1	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	33.2	33.3	33.5
25000	30.3	33.1	33.5	33.8	34.2	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.8	35.0	35.2
24000	30.2	33.7	34.1	34.3	34.7	34.6	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.4	35.5	35.7
23000	32.5	35.3	35.7	35.9	36.4	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	37.0	37.1	37.3
22000	34.5	37.4	37.9	38.1	38.5	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	39.2	39.3	39.5
21000	37.4	40.3	40.9	41.1	41.6	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	42.3	42.4	42.6
20000	38.6	41.5	42.1	42.3	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.5	43.6	43.8
19000	44.1	47.1	47.7	47.9	48.4	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	49.1	49.2	49.4
18000	48.3	51.3	51.9	52.1	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.3	53.4	53.6
17000	51.3	54.4	54.9	55.1	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.4	56.5
16000	55.7	58.7	59.2	59.4	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.9	61.1
15000	59.2	62.4	62.9	63.1	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.6	64.7
14000	62.1	65.7	66.5	66.7	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.9	68.3	68.4
13000	64.7	69.0	69.8	70.1	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.7	71.8
12000	67.3	72.5	73.5	73.9	74.9	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.7	75.8
11000	68.6	74.5	75.8	76.3	77.2	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.8	78.2	78.3
10000	70.3	76.9	78.4	79.2	80.3	80.5	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.6	81.7
9000	70.7	77.2	78.9	79.6	80.7	80.9	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.9	82.3	82.4
8000	71.4	78.2	80.3	81.1	82.5	82.8	83.3	83.8	83.8	84.0	84.0	84.0	84.0	84.1	84.6	84.7
7000	72.1	79.1	81.3	82.3	83.9	84.3	84.7	85.4	85.5	85.9	85.9	86.0	86.0	86.4	86.5	86.7
6000	72.3	79.4	81.7	82.6	84.3	84.6	85.0	86.2	86.4	87.1	87.1	87.2	87.2	87.6	87.7	87.9
5000	72.3	79.4	81.8	82.7	84.5	84.9	85.4	86.6	86.9	87.6	87.6	87.8	87.8	88.2	88.3	88.6
4000	72.3	79.4	81.8	82.7	84.5	84.9	85.4	86.6	87.1	87.7	87.8	88.1	88.1	88.6	88.7	88.9
3000	73.3	80.2	82.6	83.6	85.3	85.8	86.3	87.5	87.9	88.6	88.7	89.0	89.0	89.4	89.5	89.8
2000	73.4	80.6	83.1	84.0	85.9	86.3	86.9	88.1	88.7	89.3	89.5	89.9	89.9	90.3	90.4	90.6
1000	73.5	80.7	83.2	84.1	86.1	86.5	87.3	88.5	89.1	89.8	90.0	90.5	90.5	91.0	91.2	91.4
500	73.9	81.4	84.1	85.2	87.3	87.7	88.5	90.0	90.6	91.3	91.6	92.1	92.1	92.8	93.0	93.5
300	74.3	81.9	84.9	86.1	88.6	89.0	89.9	91.7	92.3	93.0	93.3	94.1	94.1	95.1	95.4	96.4
200	74.3	81.9	85.1	86.3	89.0	89.4	90.5	92.6	93.3	94.1	94.6	95.4	95.4	96.5	96.9	98.2
100	74.3	81.9	85.0	86.3	89.0	89.4	90.5	92.6	93.3	94.1	94.6	95.6	95.6	96.9	97.2	98.6
0	74.3	81.9	85.0	86.3	89.0	89.4	90.5	92.6	93.3	94.1	94.6	95.6	95.6	96.9	97.2	98.5

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 STATION ELMENDORF AFB AK

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
20000	29.9	31.7	31.9	32.0	32.2	32.2	32.3	32.4	32.5	32.7	32.9	32.9	33.1	33.2	33.4	33.6
18000	30.8	32.7	33.0	33.1	33.4	33.4	33.5	33.6	33.7	33.9	34.1	34.1	34.4	34.4	34.6	34.8
16000	31.9	33.8	34.1	34.2	34.5	34.5	34.6	34.8	34.8	35.0	35.2	35.3	35.6	35.6	35.9	36.1
14000	32.6	34.5	34.8	34.9	35.2	35.2	35.3	35.5	35.5	35.7	35.9	36.0	36.3	36.3	36.6	36.8
12000	33.7	35.6	35.9	36.0	36.2	36.3	36.4	36.5	36.6	36.8	37.0	37.0	37.3	37.4	37.6	37.8
10000	35.6	37.7	38.0	38.1	38.4	38.4	38.5	38.6	38.7	38.9	39.1	39.2	39.4	39.5	39.7	40.0
8000	38.5	40.6	40.9	41.1	41.3	41.3	41.5	41.6	41.7	41.9	42.1	42.1	42.4	42.5	42.7	43.0
6000	40.2	42.4	42.7	42.8	43.1	43.1	43.2	43.4	43.4	43.7	43.9	43.9	44.2	44.3	44.5	44.8
4000	46.5	48.8	49.1	49.3	49.5	49.6	49.7	49.9	49.9	50.2	50.4	50.4	50.7	50.8	51.0	51.2
2000	51.3	54.3	54.7	54.8	55.1	55.1	55.3	55.5	55.5	55.8	56.0	56.0	56.3	56.4	56.6	56.8
1000	55.0	57.5	57.9	58.1	58.4	58.4	58.5	58.7	58.7	59.0	59.2	59.3	59.6	59.6	59.9	60.1
500	59.5	62.2	62.7	62.8	63.2	63.2	63.3	63.5	63.6	63.8	64.1	64.1	64.5	64.5	64.8	65.0
250	63.7	65.9	66.4	66.6	66.9	66.9	67.1	67.3	67.3	67.6	67.8	67.9	68.2	68.3	68.5	68.8
100	66.5	69.9	70.5	70.7	71.1	71.1	71.3	71.5	71.6	71.9	72.1	72.2	72.5	72.5	72.8	73.1
50	69.0	72.9	73.7	73.9	74.3	74.3	74.5	74.8	74.8	75.1	75.3	75.4	75.7	75.8	76.0	76.3
25	71.2	75.6	76.5	76.8	77.3	77.3	77.5	77.8	77.8	78.1	78.4	78.4	78.8	78.8	79.1	79.3
10	72.3	77.4	78.5	78.8	79.4	79.4	79.7	80.0	80.0	80.3	80.6	80.7	81.0	81.0	81.3	81.5
5	73.7	79.5	80.9	81.3	82.1	82.2	82.5	82.9	83.0	83.3	83.6	83.6	84.0	84.0	84.3	84.5
2	74.0	79.9	81.4	81.9	82.7	82.8	83.1	83.6	83.7	84.0	84.3	84.3	84.7	84.7	85.0	85.2
1	74.5	80.8	82.5	83.2	84.3	84.5	84.9	85.6	85.8	86.1	86.3	86.4	86.8	86.8	87.1	87.3
0.5	75.0	81.4	83.2	84.0	85.2	85.5	86.1	86.9	87.2	87.5	87.8	87.9	88.3	88.3	88.6	88.8
0.2	75.2	81.8	83.7	84.4	85.8	86.1	86.8	87.9	88.3	88.7	89.1	89.2	89.6	89.7	89.9	90.2
0.1	75.3	82.0	83.9	84.7	86.1	86.4	87.2	88.3	88.7	89.3	89.7	89.8	90.2	90.3	90.5	90.8
0.05	75.4	82.1	84.1	84.9	86.4	86.7	87.6	88.8	89.2	89.8	90.3	90.5	90.9	91.0	91.2	91.5
0.02	75.6	82.5	84.4	85.3	86.8	87.2	88.0	89.3	89.8	90.4	91.0	91.2	91.6	91.7	92.0	92.2
0.01	75.8	82.8	84.8	85.6	87.2	87.6	88.5	89.9	90.4	91.1	91.7	92.0	92.4	92.5	92.8	93.0
0.005	76.1	83.2	85.3	86.2	87.9	88.4	89.4	90.8	91.4	92.1	92.9	93.1	93.6	93.7	94.0	94.3
0.002	76.3	83.7	85.8	86.8	88.6	89.1	90.2	91.9	92.5	93.3	94.1	94.4	95.0	95.1	95.5	95.9
0.001	76.4	83.9	86.1	87.1	89.1	89.6	90.8	92.7	93.3	94.2	95.1	95.5	96.3	96.5	97.0	97.5
0.0005	76.5	84.0	86.3	87.3	89.4	89.9	91.2	93.2	93.9	95.0	96.1	96.5	97.5	97.7	98.5	99.4
0.0002	76.5	84.0	86.3	87.4	89.5	90.0	91.3	93.3	94.0	95.1	96.2	96.7	97.8	98.0	98.9	99.9
0.0001	76.5	84.1	86.3	87.4	89.5	90.0	91.3	93.3	94.0	95.1	96.3	96.7	97.8	98.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7830

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2720 ELMENDORF AFB AK

73-82

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	32.3	33.4	33.5	33.6	33.7	33.7	33.7	33.8	33.8	33.9	34.0	34.0	34.1	34.1	34.2	34.4
≥ 20000	35.6	36.2	36.3	36.4	36.5	36.5	36.5	36.6	36.6	36.7	36.8	36.8	36.9	36.9	37.1	37.2
≥ 18000	37.1	37.6	37.8	37.8	37.9	37.9	38.0	38.0	38.0	38.1	38.2	38.2	38.3	38.4	38.5	38.6
≥ 16000	37.3	37.9	38.0	38.1	38.2	38.2	38.2	38.3	38.3	38.4	38.5	38.5	38.6	38.7	38.8	38.9
≥ 14000	38.1	38.8	38.9	38.9	39.0	39.1	39.1	39.2	39.2	39.3	39.4	39.4	39.5	39.5	39.7	39.8
≥ 12000	40.5	41.1	41.3	41.3	41.4	41.4	41.5	41.6	41.6	41.7	41.7	41.8	41.9	41.9	42.0	42.2
≥ 10000	45.2	45.9	46.1	46.1	46.2	46.2	46.3	46.3	46.4	46.5	46.5	46.6	46.7	46.7	46.8	47.0
≥ 9000	47.6	48.3	48.5	48.5	48.6	48.6	48.7	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.3	49.4
≥ 8000	55.1	55.9	56.1	56.1	56.2	56.2	56.3	56.4	56.4	56.5	56.6	56.6	56.7	56.7	56.9	57.0
≥ 7000	61.4	62.2	62.4	62.4	62.5	62.6	62.6	62.7	62.7	62.8	62.9	62.9	63.0	63.1	63.2	63.4
≥ 6000	65.8	66.7	66.9	66.9	67.0	67.1	67.1	67.2	67.2	67.3	67.4	67.4	67.5	67.6	67.7	67.9
≥ 5000	72.9	74.0	74.2	74.3	74.4	74.4	74.5	74.6	74.6	74.7	74.8	74.8	75.0	75.0	75.1	75.3
≥ 4500	76.6	77.9	78.1	78.2	78.3	78.3	78.4	78.5	78.5	78.6	78.7	78.7	78.9	78.9	79.0	79.2
≥ 4000	80.1	81.8	82.1	82.1	82.3	82.3	82.4	82.5	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2
≥ 3500	82.0	83.9	84.2	84.3	84.5	84.5	84.6	84.7	84.7	84.9	85.0	85.0	85.1	85.2	85.3	85.4
≥ 3000	83.7	85.9	86.3	86.4	86.7	86.7	86.8	86.9	87.0	87.1	87.2	87.2	87.4	87.4	87.5	87.7
≥ 2500	84.8	87.4	87.9	88.0	88.3	88.3	88.5	88.6	88.7	88.8	88.9	88.9	89.0	89.1	89.2	89.4
≥ 2000	85.9	88.8	89.5	89.7	90.0	90.1	90.2	90.5	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2
≥ 1800	86.0	89.1	89.7	90.0	90.3	90.4	90.6	90.8	90.8	91.0	91.1	91.1	91.2	91.3	91.4	91.6
≥ 1500	86.6	89.9	90.7	91.0	91.4	91.5	91.7	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.9
≥ 1200	86.9	90.5	91.3	91.6	92.1	92.2	92.5	92.8	92.9	93.1	93.2	93.3	93.4	93.5	93.6	93.8
≥ 1000	87.2	90.8	91.7	92.1	92.6	92.8	93.1	93.5	93.6	93.8	94.0	94.1	94.2	94.3	94.4	94.6
≥ 900	87.3	91.0	91.9	92.2	92.8	93.0	93.4	93.8	93.9	94.1	94.3	94.4	94.6	94.6	94.8	94.9
≥ 800	87.4	91.2	92.1	92.5	93.1	93.3	93.7	94.2	94.3	94.6	94.8	94.9	95.1	95.1	95.3	95.4
≥ 700	87.5	91.4	92.4	92.8	93.5	93.6	94.1	94.6	94.7	95.0	95.3	95.4	95.6	95.6	95.8	96.0
≥ 600	87.7	91.7	92.7	93.1	93.8	94.0	94.5	95.0	95.2	95.5	95.8	95.9	96.1	96.2	96.4	96.5
≥ 500	87.9	92.1	93.2	93.6	94.4	94.6	95.1	95.7	95.9	96.3	96.6	96.8	97.0	97.1	97.3	97.5
≥ 400	88.0	92.4	93.6	94.0	94.9	95.1	95.7	96.4	96.6	97.0	97.4	97.6	97.9	98.0	98.2	98.4
≥ 300	88.1	92.6	93.8	94.3	95.2	95.4	96.1	96.9	97.1	97.5	98.0	98.2	98.5	98.7	99.0	99.2
≥ 200	88.1	92.6	93.8	94.4	95.3	95.5	96.2	97.0	97.3	97.8	98.3	98.5	98.9	99.0	99.4	99.8
≥ 100	88.1	92.6	93.9	94.4	95.3	95.5	96.2	97.1	97.3	97.8	98.3	98.5	99.0	99.1	99.5	100.0
≥ 0	88.1	92.6	93.9	94.4	95.3	95.5	96.2	97.1	97.3	97.8	98.3	98.5	99.0	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 87636

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

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

73-82

PERIOD

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	16.6			16.8						20.1	46.6	7.0	912
	03-05	16.6			17.1						15.2	51.1	7.0	922
	06-08	14.8			14.3						19.6	51.4	7.3	925
	09-11	9.7			14.6						25.2	50.3	7.7	914
	12-14	12.6			16.1						26.2	47.1	7.6	922
	15-17	10.9			12.1						23.3	46.7	7.3	926
	18-20	16.1			17.6						21.8	44.4	6.9	918
	21-23	17.7			16.5						17.7	48.0	6.9	920
TOTALS		14.1			16.5						21.1	48.2	7.2	735

SKY COVER

73-82

FEB
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	23.9			13.9						16.5	40.6	6.1	834
	02-05	24.0			16.1						16.9	43.0	6.3	835
	06-08	16.4			13.7						23.0	41.9	6.8	840
	09-11	14.6			21.3						24.9	40.2	6.9	838
	12-14	13.0			15.8						23.4	39.8	6.6	845
	15-17	16.9			17.7						23.6	41.8	6.8	840
	18-20	21.7			16.7						17.9	43.6	6.5	837
	21-23	26.5			17.7						15.9	39.9	6.0	837
TOTALS		20.3			13.1						20.3	41.4	6.5	670

SKY COVER

73-82

419
MONTH

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	18.5			14.9						16.6	49.8	6.9	930
	03-05	17.1			14.8						19.0	49.1	7.1	928
	06-08	9.9			1.9						25.9	48.3	7.6	930
	09-11	8.5			15.2						28.8	47.5	7.8	930
	12-14	7.6			19.0						23.2	45.2	7.6	930
	15-17	7.7			17.7						27.6	46.9	7.7	930
	18-20	8.8			10.1						21.1	51.0	7.6	930
	21-23	16.8			13.9						20.8	48.5	7.1	929
TOTALS		11.9			10.3						23.5	48.3	7.8	7830

SKY COVER

PERIOD

APR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	19.2			17.7						18.4	44.7	6.7	900
	03-05	11.2			21.9						22.3	44.6	7.1	900
	06-08	8.9			21.4						26.1	43.6	7.3	900
	09-11	8.0			21.8						26.4	43.8	7.4	900
	11-14	6.4			15.1						29.0	46.4	7.8	900
	15-17	6.1			19.1						27.9	46.9	7.8	900
	18-20	7.0			20.9						24.2	47.9	7.6	900
	21-23	13.8			20.9						21.4	43.9	6.9	900
TOTALS		12.1			20.2						24.5	45.2	7.3	7200

SKY COVER

PERIOD

MAY
MON

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	0-02	3.7			20.2						35.2	41.0	7.9	930
	03-05	2.6			18.5						36.0	42.9	8.1	930
	06-08	3.4			16.6						36.3	43.7	8.1	930
	09-11	2.8			13.3						34.3	44.6	8.1	930
	12-14	1.6			19.8						34.3	44.3	8.1	930
	15-17	1.8			17.7						37.3	43.1	8.2	930
	18-20	1.6			18.6						36.9	42.9	8.2	930
	21-23	2.5			20.2						31.4	45.9	8.0	930
TOTALS		2.5			13.7						35.2	43.6	8.1	7880

SKY COVER

102720
STATION

ELMENDORF AFB AK

73-82

111
 MON

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. OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	1.7			20.9						28.8	48.7	8.1	900
	03-05	2.9			15.9						35.4	45.8	8.2	900
	06-08	2.6			18.2						31.9	47.3	8.2	900
	09-11	2.2			19.6						33.0	45.2	8.1	900
	12-14	1.6			21.7						34.6	42.2	8.0	900
	15-17	1.3			19.3						39.7	39.7	8.1	900
	18-20	2.2			17.4						38.4	41.9	8.2	900
	21-23	2.0			15.7						37.4	44.9	8.3	900

SKY COVER

JUL
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	2.0			13.5						31.3	48.2	8.2	930
	03-05	1.6			15.4						33.5	49.5	8.4	930
	06-08	1.8			15.9						34.1	48.2	8.4	930
	09-11	1.9			14.9						34.4	46.8	8.3	930
	12-14	2.2			17.4						33.3	45.2	8.1	930
	15-17	2.3			13.8						36.5	42.5	8.1	930
	18-20	1.8			19.6						40.0	38.6	8.0	930
	21-23	1.7			22.1						36.0	42.9	8.1	930
TOTALS		1.8			13.1						38.9	45.2	8.2	7480

SKY COVER

PERIOD

AUG
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	9.6			22.0						28.5	39.9	7.2	930
	03-05	3.6			22.0						28.7	45.7	7.8	929
	06-08	2.8			21.3						30.7	45.2	7.9	928
	09-11	1.8			22.5						32.6	43.1	7.9	930
	12-14	1.0			24.7						30.0	43.4	7.8	930
	15-17	1.5			24.9						31.2	42.4	7.8	930
	18-20	3.0			24.0						32.4	40.6	7.7	930
	21-23	5.4			24.7						29.0	40.9	7.4	930
TOTALS		3.7			23.3						30.8	42.7	7.7	7433

SKY COVER

7 2720
STATION

ELMENDORF AFB AK

73-E2

SEP
1968

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	2.3			13.9						24.2	47.6	7.5	900
	03-05	7.1			13.0						25.6	49.3	7.8	899
	06-08	3.3			15.2						31.6	49.8	8.3	899
	09-11	2.8			19.4						29.9	48.9	8.1	900
	12-14	3.3			20.7						27.6	48.4	7.9	900
	15-17	2.6			19.8						30.3	47.3	8.1	900
	18-20	3.6			20.6						26.0	49.9	7.9	900
	21-23	8.7			22.4						22.9	46.0	7.3	900
TOTALS		5.1			19.3						27.3	48.8	7.9	7194

SKY COVER

73-82

55

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF DAYS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	13.4			14.2						19.1	53.3	7.5	926
	03-05	12.2			13.1						20.5	54.2	7.7	926
	06-08	5.7			14.9						23.9	55.5	8.2	929
	09-11	4.1			14.3						30.3	51.3	9.3	930
	12-14	4.2			15.8						26.7	53.5	8.2	930
	15-17	4.1			13.8						26.5	55.7	8.4	930
	18-20	7.6			13.9						20.1	58.5	8.1	927
	21-23	12.9			13.3						19.1	56.8	7.8	928
TOTALS		7.8			14.2						23.3	58.9	8.1	7424

SKY COVER

73-B2

PERIOD

NOV
4 24 1964

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF DAYS	
		0	1	2	3	4	5	6	7	8	9			10
NOV.	00-02	14.3			16.1						19.6	50.0	7.2	898
	03-05	14.3			17.0						16.4	52.3	7.2	899
	06-08	9.8			16.7						21.1	52.3	7.6	896
	09-11	7.1			15.7						26.6	48.6	7.9	898
	12-14	6.4			16.4						32.3	42.9	7.7	897
	15-17	7.9			14.6						21.3	52.2	7.7	898
	18-20	15.3			14.6						16.5	53.7	7.3	898
	21-23	14.3			15.3						19.4	50.5	7.3	897
TOTALS		11.5			14.3						21.9	50.3	7.5	7181

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

720
STATION

ELMENDORF AFB AK
STATION NAME

73-82

PERIOD

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	14.1			17.2						22.1	46.6	7.2	923
	03-05	16.6			14.0						19.6	49.9	7.2	924
	06-08	12.9			17.7						23.9	45.5	7.2	928
	09-11	5.8			2.8						24.4	49.0	7.7	924
	12-14	5.5			13.9						28.0	47.6	7.8	926
	15-17	5.9			13.2						23.3	51.6	7.8	922
	18-20	12.3			13.9						20.2	53.5	7.6	919
	21-23	12.1			10.4						22.5	49.1	7.8	921
TOTALS		10.7			17.3						23.0	49.1	7.5	7387

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

7 2720 STATION ELMENDORF AFB AK 73-82 PERIOD ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	14.1			16.5						21.1	48.2	7.2	7359
FEB		20.3			18.1						26.3	41.4	6.5	6709
MAR		11.9			16.3						23.5	48.3	7.4	7437
APR		10.1			20.2						24.5	45.2	7.3	7200
MAY		2.5			19.7						35.2	43.6	8.1	7440
JUN		2.1			18.6						34.9	44.5	8.2	7200
JUL		1.6			13.1						34.9	45.2	8.2	7440
AUG		3.7			23.3						30.4	42.7	7.7	7437
SEP		2.1			19.3						27.3	48.8	7.9	7198
OCT		7.8			14.2						23.3	54.9	8.0	7428
NOV		11.5			16.3						21.9	50.3	7.5	7181
DEC		10.7			17.3						23.0	49.1	7.5	7387
TOTALS		8.5			18.1						26.7	46.8	7.6	87811

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 ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
712720 ELMENDORF AFB AK
STATION STATION NAME

DAILY TEMPERATURES

41-82

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85						.1							.0
80					.1	.6	1.2	.2					.2
75					.2	2.6	5.6	2.2					.9
70					1.9	10.0	19.0	11.4	.4				3.6
65				.1	6.5	29.4	47.5	38.9	3.7				10.7
60				.6	17.6	60.6	81.6	74.7	21.0	.4			21.7
55		.1		2.7	44.4	88.6	98.4	96.3	54.0	2.0	.2		32.6
50		.6	.5	15.7	80.1	99.1	100.0	99.9	84.3	13.5	1.4	.5	41.7
45	2.0	2.6	4.6	42.8	97.0	100.0		100.0	97.1	34.2	5.4	1.7	49.4
40	5.5	9.2	20.5	70.7	99.3				99.4	57.5	11.3	5.3	57.0
35	10.9	21.2	43.7	88.9	99.6				100.0	78.3	23.5	10.4	65.0
30	20.0	37.8	64.5	96.5	99.9					91.3	40.7	22.4	73.0
25	34.3	54.8	78.8	99.4						96.8	60.8	37.6	80.4
20	49.6	69.2	89.8	99.8	100.0					98.7	74.8	53.0	86.4
15	62.8	80.6	95.7	99.9						99.7	86.7	66.1	91.0
10	76.5	90.8	98.0							100.0	94.7	77.0	94.8
5	97.9	96.3	99.2	100.0							99.1	86.3	97.4
0	93.5	99.5	99.8								99.8	92.9	98.8
-5	96.9	99.7	100.0								100.0	97.0	99.5
-10	98.4	99.9										99.3	99.8
-15	99.8	100.0										99.9	100.0
-20	100.0												100.0
-25												100.0	100.0
MEAN	18.9	25.1	31.7	42.8	54.2	61.5	64.6	63.2	55.0	40.6	26.8	19.4	42.0
S D	12.653	11.136	9.080	6.794	6.288	6.067	5.704	5.225	5.545	8.111	10.525	12.701	18.833
TOTAL OBS	1270	1158	1293	1241	1301	1260	1302	1302	1260	1292	1260	1302	15241

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 702720 ELMENDORF AFB AK
 STATION STATION NAME

41-82

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
45						.1							.2
40						.3	1.1	.1					.1
35						3.7	18.0	12.7	.2				2.8
30					1.1	29.6	74.3	55.3	8.0				14.3
25					11.8	76.1	96.2	85.8	34.9	.9			25.8
20		.1	.5	46.2	97.4	99.8	97.2	66.9	7.9	.3			35.3
15	.2	.6	1.5	11.0	80.8	99.8	99.9	99.6	86.8	24.7	2.5	.1	42.6
10	.9	1.8	4.6	24.2	89.8	100.0	100.0	99.8	91.6	34.6	6.0	.7	46.6
5	5.9	6.0	11.0	48.7	96.5			99.9	96.2	55.0	11.7	2.8	53.1
0	9.4	15.1	26.3	76.9	98.9			100.0	99.4	75.3	24.2	9.4	61.6
-5	18.2	26.3	43.8	88.9	99.5				100.0	84.9	38.5	23.7	68.7
-10	29.1	41.0	58.2	93.6	99.8					91.6	52.9	32.9	75.2
-15	40.6	54.0	70.8	97.1	99.9					96.5	64.8	46.6	81.1
-20	51.0	66.1	79.7	99.1						98.5	76.6	58.2	85.9
-25	63.1	75.2	87.3	99.7	100.0					99.5	85.9	68.7	90.1
-30	74.6	83.4	92.3	99.8						99.9	93.8	77.8	93.5
-35	85.0	90.9	97.0	99.8						100.0	98.4	85.3	96.4
-40	91.4	96.3	99.2	99.9							99.7	92.9	98.3
-45	95.9	98.4	99.7	100.0							100.0	95.5	99.2
-50	98.0	99.3	100.0									99.0	99.7
-55	99.2	99.7										99.7	99.9
-60	99.8											100.0	100.0
-65	100.0	99.8											100.0
-70		100.0											100.0
MEAN	4.9	9.6	15.3	27.7	38.7	47.3	51.4	49.4	41.6	28.7	14.5	6.5	28.0
S D	14.626	13.914	12.322	7.158	5.207	4.184	3.556	4.502	6.050	8.799	12.302	14.178	19.389
TOTAL OBS.	1270	1158	1293	1241	1301	1260	1302	1302	1260	1292	1260	1302	15241

2

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC
 7720 ELMENDORF AFB AK
 STATION STATION NAME

41-82

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70						.4	.5						.1
65					.2	1.7	6.1	2.0					.8
60					.6	12.3	33.6	21.1	1.1				5.8
55					4.9	47.8	84.1	69.8	9.9	.2			18.4
50				.3	25.7	88.8	99.9	97.2	44.7	.8			30.2
45		.2		3.4	67.0	99.9	100.0	99.8	79.0	9.0	.3		39.7
40	.3	1.0	2.2	27.2	94.8	100.0		100.0	95.6	29.6	3.4	.5	46.7
35	4.3	7.0	13.0	63.4	98.8				99.4	56.7	10.7	3.4	55.1
30	10.5	17.9	34.2	83.8	99.2				100.0	78.9	24.1	10.1	63.6
25	19.3	31.3	53.2	92.4	99.8					89.0	40.7	21.4	70.9
20	30.8	47.8	68.8	98.0	99.8					95.0	56.5	35.5	77.9
15	45.3	62.0	80.5	99.4	100.0					98.5	70.5	50.0	84.0
10	56.6	73.9	89.6	99.8						99.3	82.3	62.4	89.8
5	70.2	83.4	95.1	99.8						99.8	90.3	72.8	92.7
0	81.7	90.7	98.1							100.0	97.1	81.8	95.8
-5	90.0	96.4	99.2	100.0							99.5	89.0	97.8
-10	94.7	99.2	99.8								99.8	95.5	99.1
-15	97.5	99.6	100.0								100.0	98.1	99.6
-20	98.9	99.7										99.7	99.9
-25	99.8	99.9											99.9
-30	100.0	100.0										100.0	100.0
MEAN	12.0	17.5	23.7	35.4	46.6	54.6	58.2	56.5	48.5	34.8	20.8	13.0	35.1
S D	13.430	12.196	10.288	6.444	5.032	4.334	3.805	3.797	5.049	8.072	11.153	13.264	18.910
TOTAL OBS	1270	1158	1293	1241	1301	1260	1302	1302	1260	1292	1260	1302	15241

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

70720 ELMENDORF AFB AK
STATION STATION NAME

41-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
41			*	45*	56	64	75	70	76	66	53	45	53
42		47	49	50	53	75	77	76	71	69	57	30	28
43		29	58	43	50	69	80	73	75	62	57	48	52
44		43	50	49	58*	63	74	70	75	70	54	52	49
45		49	54	43	51	67	69	73	67	63	55	33	41
46		41	42	46	52	70	77	78	72	65	55	46	40
47		41	46	50	54	80	75	81	78	63	56	57	40
48		47	48	47	58	67	84	74	71	65	51	42	30
49		37	35	50	54	68	65	78	76	71	53	51	35
50		32	33	42	52	64	78	79	81	68	54	45	36
51		36	42	45	58	67	73	82	72	65	54	54	36
52		34	46	44	48	61	69	83	72	63	61	49	45
53		35	46	45	53	70	84	83	71	63*	56	34	38
54		36	43	46	50	68	76	75	70	63	59	44	25
55		43	37	44	46	59	71	82	74	63	51	31	36
56		32	43	42*	45	57	69	81	73	73	46	50	36
57		45	36	48	53	71	78	75	81	74	57	46	39
58		42	39	49	63	74	73	76	70	62	54	45	33
59	*	42	44	42	52	71	80	73	74	64	53	41	35
60		42	40	43	58	74	72	83	76	59	53	47	43
61		49	35	44	53	64	74	73	67	67	51	46	47
62		43	40	47	50	59	70	73	72	66	52	51	48
63		39	40	46	51	72	66	73	75	69	62	35	44
64		33	44	37	48	70	72	72	68	63	53	41	26
65		48	39	51	60	61	63	75	69	68	51	45	37
66		39	44	46	55	60	73	75	68	65	63	39	37
67	*	30	41	51	60	66	75	81	71	60	55	54	53
68		39	51	42	55	70	75	75	82	64	48	40	39
69		23	43	42	54	79	86	75	72	63	60	47	49
70		36	46	49	51	65	70	75	67	65	52	45	51
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2

MAXIMUM TEMPERATURE

702720 LL MENDORF AFB AK
STATION STATION NAME

41-82

YEARS

-HOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

71720
STATION

ELMENDORF AFB AK
STATION NAME

41-92

YEARS

W HOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB	MAR.	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41			*	-4*	23	29	34	34	40	24	4	-12	-17
42	-6	11	-6	20	29	37	46	41	25	11	-16	-28	-28
43	-23	-26	-13	10	27	37	44	42	32	9	2	-9	-26
44	-28	-3	-19	-20*	31	33	40	40	30	11	-9	-21	-28
45	-8	-28	-10	-3	0	35	41	39	27	3	-15	-18	-28
46	-16	-20	-24	7	30	37	46	36	20	19	-10	-32	-32
47	-36	-43	10	6	25	36	44	36	22	12	8	3	-43
48	-15	-19	-10	0	27	40	38	29	26	20	-20	-22	-22
49	-23	-27	9	4	20	38	40	38	33	15	5	-26	-27
50	-17	-22	5	7	32	40	42	41	32	2	-10	-15	-22
51	-29	-15	-14	23	29	37	45	45	33	14	-1	-19	-29
52	-23	-5	-5	7	26	38	46	37	30	20	10	0	-23
53	-15	-17	-5	20	33	44	48	43	26*	26	1	-6	-17
54	-11	-20	0	12	32	43	41	41	32	28	0	-18	-20
55	1	-12	-8	13	32	37	43	35	27	11	-8	-19	-19
56	-12	-22	-20*	7	33	40	40	43	25	0	-12	-19	-22
57	-7	-8	14	23	29	47	43	47	29	22	16	-16	-16
58	-9	7	10	26	35	41	47	41	32	6	-3	-9	-9
59	* -11	-3	-15	10	30	43	46	41	32	3	2	-7	-15
60	-19	6	-4	12	35	42	46	41	33	21	-4	6	-19
61	-11	0	-13	14	32	37	46	42	33	-6	-14	-34	-34
62	-21	-8	-11	25	28	41	48	41	30	21	-7	-17	-21
63	-23	-7	2	3	31	42	48	41	37	14	-12	0	-23
64	-10	-19	-18	11	17	44	42	43	36	12	-12	-28	-28
65	-18	-15	11	18	23	41	45	36	30	8	-9	-20	-20
66	-18	-10	-10	19	32	46	47	46	35	9	-3	-18	-18
67	-14	-15	1	24	33	44	50	44	34	18	-7	-14	-15
68	-15	-17	8	5	31	4	50	41	26	16	-5	-15	-17
69	-18	-10	5	26	33	44	45	34	36	15	-10	5	-18
70	-17	0	15	11	29	37	43	43	27	-2	-7	-16	-17
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

7072
STATION

ELMENDORF AFB AK
STATION NAME

41-82

YEARS

WIND DIRECTION IN DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
71	-31	-18	-23	18	30	40	44	45	30	3	-7	-14	-30
72	-30	-15	-13	4	31	40	46	48	30	22	2	-9	-32
73	-26	-12	-2	5	31	40	48	38	31	14	-8	-11	-26
74	-15	-9	-11	24	34	43	48	34	28	15	-12	-20	-20
75	-38	-15	-8	5	29	37	48	39	34	-4	-9	-29	-38
76	-17	-15	-4	9	31	39	44	41	31	4	11	-11	-17
77	12	9	-7	12	34	42	49	45	27	11	-6	-16	-16
78	-9	-2	4	16	34	42	45	43	32	17	1	-8	-9
79	0	-15	-8	20	34	41	46	41	35	23	14	-15	-15
80	-10	4	-1	24	31	42	42	38	29	17	-1	-21	-21
81	10	-4	16	15	34	41	43	41	25	17	0	-12	-12
82	-13	-12	-1	10	29	40	42	43	31	-5	-6	-11	-18
MEAN	-16.0	-11.6	-4.2	12.9	29.4	40.1	44.5	40.4	29.9	11.5	-4.4	-14.9	-22.3
S.D.	10.617	11.031	10.617	9.541	6.049	3.158	3.380	3.755	3.922	8.403	8.228	9.289	7.535
TOTAL OBS.	127	1158	1293	1241	1301	1260	1302	1302	1260	1292	1260	1372	15241

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

8 (AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

U-42

YEARS

MONTH

PAGE 1

~~SECRET~~
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7C2720	LLMENDORF AFB AK
STATION	STATION NAME

73-67

YEARS

MA
MONT

PAGE 2 0000-0200
HOURS (L, S, T.)

[illegible]

AD-A134 206 ELMENDORF AFB ALASKA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL

AD-A134 206 ELMENDORF AFB ALASKA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL

AD-A134 206 ELMENDORF AFB ALASKA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL

TECHNICAL APPLICATIONS CENTER SCOTT A. 09 SEP 83

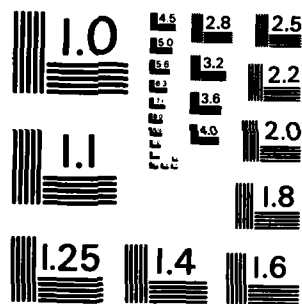
UNCLASSIFIED USAFETAC/DS-83/041 SBI-AD-E850 424 F/G 4/2

UNCLASSIFIED USAFETAC/DS-83/041 SBI-AD-E850 424 F/G 4/2

UNCLASSIFIED USAFETAC/DS-83/041 SBI-AD-E850 424 F/G 4/2

UNCLASSIFIED USAFETAC/DS-83/041 SBI-AD-E850 424 09 SEP 83 F/G 4/2 NL

AD-A134 206 ELMDORF AFB ALASKA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 SEP 83 UNCLASSIFIED USAFETAC/DS-83/041 SBI-AD-E850 424 F/G 4/2 NL



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



PSYCHROMETRIC SUMMARY

72-62

YEARS

MONTH

PAGE 1

C300-C500
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

702720 ELMENDORF AFB AK

73-82

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0300-0500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-E2

YEARS

JAN
MONTH

PAGE 1

0-00-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

707720	LLPENDORF AFB AK
STATION	STATION NAME

73-67

YEARS

3 JAN
MONTH

PAGE 2

0600-0000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point								
-24/-25	.5																	5	5	5	14								
-26/-27	.2																	2	2	2	7								
-29/-29	.1																	1	1	1	8								
-30/-31	.2																	2	2	2	6								
-32/-33																					3								
-34/-35	.3																	3	3	3	5								
-36/-37																					3								
-38/-39	.1																	1	1	1	1								
-40/-41																					2								
-42/-43																					2								
TOTAL	34.95	6.61	0.8	3.0	.8													929	920	929	929								
</																													

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

794720 ELMENDORF AFB AK
STATION STATION NAME

73-62

YEARS

JAN
MONTH

PAGE 1 0500-1110
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				
48/ 47						.1												1		1				
46/ 45					.1													1		1				
44/ 43					.1													1		1				
42/ 41				.4	.2	.1												7		7				
40/ 39			.1	.9														9		9	1			
38/ 37			1.2	.4														15		15	2			
36/ 35		1.1	1.2	.4														25		25	11			
34/ 33		1.0	2.5	.2														34		34	23			
32/ 31	.9	3.5	1.1															51		51	37	15		
30/ 29	.2	2.0	2.0															40		40	53	18		
28/ 27	.5	4.3	1.7															61		61	42	27		
26/ 25	.2	5.1	.8															56		56	71	12		
24/ 23	.5	3.2	.3	.1														39		39	68	37		
22/ 21	.9	2.9	.2															37		37	38	59		
20/ 19	2.2	3.2	.2															52		52	49	71		
18/ 17	1.7	2.8	.1															43		43	45	60		
16/ 15	.6	2.8	.3															35		35	30	52		
14/ 13	.8	2.8	.6															39		39	37	43		
12/ 11	1.9	2.8	.3															47		47	45	20		
10/ 9	1.5	2.5	.4															41		41	51	43		
8/ 7	.9	2.6																32		32	35	30		
6/ 5	1.7	1.8																33		33	41	32		
4/ 3	1.9	2.0																37		37	40	40		
2/ 1	1.4	2.5																36		36	36	41		
0/ -1	2.2	.3																23		23	28	34		
-2/ -3	1.0	.8																16		16	17	16		
-4/ -5	1.7	.2																18		18	18	12		
-6/ -7	1.8																	17		17	19	24		
-8/ -9	1.7																	16		16	16	31		
-10/ -11	1.2																	11		11	11	21		
-12/ -13	1.4																	13		13	13	16		
-14/ -15	1.8																	17		17	17	19		
-16/ -17	1.1																	10		10	10	23		
-18/ -19	.1																	1		1	1	11		
Element (X)	Σx ²	Σx	Σ	Σ ²	No. Obs.				Mean No. of Hours with Temperature						Total									
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

J A R
MONTH

STATION

STATION NAME

YEARS

MONTM

PAGE 2

0900-11.0
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

702720 ELMENDORF AFB AK
STATION STATION NAME

73-E2

YEARS

PAGE 1 1200-1400
HOURS (C. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AK
STATION	STATION NAME

73-82

YEARS

✓ A. 1
MONTANA

PAGE 2

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

[illegible]

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

70720 STATION LLMENDORE AFB AK

73-82

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
41 / 45							.1											1	1					
44 / 43						.6												6	6					
42 / 41				.1		.3												4	4					
46 / 39			.4	.4	.2													10	10	1				
38 / 37			1.5	.5														19	19					
36 / 35		.4	1.8	.2														23	23	18	1			
34 / 33	.2	1.7	2.7	.2														45	45	30	1			
32 / 31	.8	3.8	1.4	.1														56	56	47	18			
20 / 29		3.1	1.9															47	47	57	18			
28 / 27	.6	4.8	.8															58	58	51	29			
26 / 25	.4	5.4	1.7															70	70	75	66			
24 / 23	.3	2.5	.1															27	27	63	46			
22 / 21	1.4	2.5	.5	.1														42	42	49	56			
20 / 19	1.1	4.3	.5															56	56	45	67			
18 / 17	.8	4.2	.9															53	53	42	42			
16 / 15	1.1	3.1	.5															43	43	52	45			
14 / 13	1.1	1.9	.9															76	36	41	52			
12 / 11	1.6	1.8	.5															37	37	35	41			
10 / 9	1.2	1.7	.1															28	28	40	48			
8 / 7	1.2	2.5	.2															36	36	35	27			
6 / 5	.9	3.1																37	37	39	22			
4 / 3	1.7	2.3																37	37	41	25			
2 / 1	.9	2.7																23	34	30	44			
1 / -1	1.2	.9																19	19	24	27			
-2 / -3	.8	.5																12	12	17	15			
-4 / -5	1.8	.8																17	17	17	24			
-6 / -7	1.9	.1																19	19	22	30			
-8 / -9	1.4																	13	13	13	17			
-10 / -11	1.5																	14	14	14	23			
-12 / -13	.5																	5	5	5	16			
-14 / -15	1.2																	11	11	11	28			
-16 / -17	.5																	5	5	5	15			
-18 / -19	.2																	2	2	2	22			
-20 / -21	.3																	3	3	3	18			
Element (X)	Σ X ²			Σ X			̄X	σ ²	No. Obs.			Mean No. of Hours with Temperature						Total						
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM 0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

<u>702720</u>	<u>ELMENDORF AFB AK</u>
STATION	STATION NAME

73-82

YEARS

JAN
MONTH

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

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 EL MENDORF AFB AK

73-82

YEARS

JAN
MONTHPAGE 1 1000-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
44/ 45					.3	.1												4		4				
44/ 43					.3													6		6				
42/ 41				.2	.4													6		6				
40/ 39			.3	.2														5		5		1		
38/ 37			1.3	.3														15		15				
36/ 35		.4	1.0	.5														26		26		15		
34/ 33	.2	1.0	1.3	.4	.1													28		28		26	1	
32/ 31	.4	2.8	1.4	.1														48		48		73	11	
30/ 29	.4	4.3	1.9	.1														63		63		42	19	
28/ 27	.4	3.7	1.0															87		87		68	30	
26/ 25	1.0	4.4	1.1															60		60		45	42	
24/ 23	.8	3.1	.6															42		42		68	68	
22/ 21	1.8	2.2	.2															79		79		42	48	
20/ 19	1.3	4.5	.4															58		58		45	66	
18/ 17	.8	2.7	1.1															42		42		50	46	
16/ 15	1.2	2.9	.4															42		42		33	35	
14/ 13	1.1	2.0	.6															35		36		46	37	
12/ 11	1.0	1.6	.4															28		28		29	53	
10/ 9	1.0	2.8																35		35		38	41	
8/ 7	1.6	2.5																38		38		26	25	
6/ 5	1.3	2.0																31		31		36	24	
4/ 3	1.3	2.0																31		31		33	25	
2/ 1	1.3	1.9																30		30		28	42	
0/ -1	2.7	.8																32		32		39	23	
-2/ -3	1.8	.4																21		21		28	31	
-4/ -5	2.5	.2																25		25		23	16	
-6/ -7	2.0																	19		19		21	26	
-8/ -9	2.2																	20		20		20	21	
-10/ -11	.8																	7		7		7	21	
-12/ -13	.6																	6		6		6	20	
-14/ -15	.6																	6		6		6	23	
-16/ -17	1.0																	9		9		9	25	
-18/ -19	1.2																	11		11		11	22	
-20/ -21	.6																	6		6		6	4	
Element (X)	2 X ²		2 X		X		X ²		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 7 JAN MONTH 1000-2000 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											
-22/-23	.3																	3	7	3	8											
-24/-25	.2																	2	2	4	15											
-26/-27																					11											
-28/-29	.2																	2	2	2	4											
-30/-31	.3																	3	3	3	1											
-32/-33	.2																	2	2	2	2											
-34/-35																					2											
-36/-37																					2											
-38/-39																					4											
-40/-41																					1											
-42/-43																					1											
-44/-45																					1											
TOTAL	34.148.314.0	2.3	1.2	.1														929	929	929	929											

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 STATION ELMDORFF AFB TX 72-60 YEARS MONTH JAN
PAGE 1 210-2200 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
46 / 45					.1	.1												2	2																				
44 / 43					.3	.7												10	10																				
42 / 41					.3	.7												6	6																				
40 / 39				.2	.3	.2												7	7																				
38 / 37			1.3	.3														14	14	3																			
36 / 35		.2	1.5	.7														15	15	1																			
34 / 33	.1	1.3	2.7	.4														36	36	7																			
32 / 31	.2	2.8	3.5	.5														56	56	31																			
30 / 29	.4	2.2	1.1															34	34	91	17																		
28 / 27	.8	4.5	.6															60	60	55	23																		
26 / 25	.5	4.8	1.0															59	59	70	40																		
24 / 23	.4	2.6	.7															32	31	62	43																		
22 / 21	3.2	3.1	1.0															58	58	49	29																		
20 / 19	1.7	3.2	.1															43	43	46	55																		
18 / 17	.7	1.7	.7															30	30	35	42																		
16 / 15	.3	2.2	.7															41	41	30	40																		
14 / 13	1.2	2.7	.7															39	39	43	41																		
12 / 11	1.2	1.9	.4															33	33	31	38																		
10 / 9	1.3	2.4	.7															35	35	44	36																		
8 / 7	1.2	2.5																29	29	42	28																		
6 / 5	1.2	1.4																24	24	32	35																		
4 / 3	1.6	3.1																44	44	36	35																		
2 / 1	1.5	1.6																35	35	30	41																		
0 / -1	1.5	.5																19	19	22	25																		
-2 / -3	3.0	.8																35	35	39	34																		
-4 / -5	2.2	.5																25	25	21	16																		
-6 / -7	1.7																	12	12	18	25																		
-8 / -9	1.7																	16	16	16	27																		
-10 / -11	2.4																	22	22	22	21																		
-12 / -13	.9																	8	8	8	24																		
-14 / -15	.5																	6	6	6	12																		
-16 / -17	.4																	4	4	4	12																		
-18 / -19	.2																	2	2	2	16																		
-20 / -21	.6																	6	6	6	16																		
Element (X)	Σ X ²					Σ X					Σ					°					No. Obs.					Mean No. of Hours with Temperature						Total							
Rel. Hum.																										≤ 0 F						≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC

FORM 0-26.5 (OL A)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

YEARS

MONTH

• • • • •

61-2700
HOURS (L. S. T.)

FORM 0-26-5 (OL A)
NW 44

PSYCHROMETRIC SUMMARY

706742 STATION CLMENCEGE AFE AX STATION NAME

72-43

YEARS

_____ A.M.
MON TAY

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AM
STATION	STATION NAME

74-82

YEARS

MONTH

TABLE 1

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point												
-18/-19	.4																		71	31	21	145										
-21/-21	.6																		41	41	41	123										
-22/-23	.4																		78	29	7	9										
-24/-25	.4																		26	28	28	94										
-26/-27	.2																		15	15	15	5										
-27/-29	.1																		11	11	11	27										
-30/-31	.2																		14	14	14	30										
-32/-33	.1																		9	9	9	24										
-34/-35	.1																		6	6	6	14										
-36/-37	.0																		3	3	3	15										
-38/-39	.0																		1	1	1	7										
-41/-41																						5										
-42/-43																						7										
-44/-45																						5										
TOTAL	32.25	6.4	13.6	2.4	1.1	.3													7437	7440	7427											

Element (X)	Σ x ²	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	39574103	533169	71.7	13.476	7437	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3396521	112875	15.2	15.046	7440	126.7	668.2					744
Wet Bulb	2892076	102414	13.8	14.116	7437	134.7	705.2					744
Dew Point	2256632	54460	7.3	15.606	7437	227.2	743.6					744

PSYCHROMETRIC SUMMARY

72-87

YEARS.

55 MONTH

PAGE : 100-121
HOURS (L, S, T)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFELTAC
AFW WEATHER SERVICE/MAC

730720 ELPHENORF AFB AR 73-80 FEB
STATION STATION NAME YEARS MONTH
PAGE 1 1000-0700
HOURS (L. S. T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

72-62

YEARS

557

MONTH

PAGE 1

2000-0500
HOURS (11-5-1)

[illegible]

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AK
STATION	STATION NAME

73-82

YEARS

FFC
MONTH

PAGE 7 CONF-DEMO
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																					11		
-24/-25																					5		
-26/-27																					4		
-28/-29																					4		
-30/-31																					2		
-32/-33																					2		
TOTAL	20.656	5.512	2	2.6	.1														246	246	246		

2

YEARS

73-62

FEB
MONTH

PAGE 1 CALL-CALL
HOURS (L. S. T.)

0-26-5 (OL A)

USAFETAC

2

PSYCHROMETRIC SUMMARY

YEARS

755
MONTH

PAGE 2 2000-0000
HOURS (L. S. T.)

USAFETAC FORM 0265 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AA 04

2

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72-42

YEARS

250
MONTH

PAGE 1

CONFIDENTIAL
HOURS (1 - 5 - 7)

[illegible]

REVISED FOR VECUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

762720	ELMENCORR AFB AM
STATION	STATION

72-82

YEARS

FFB

MONTH

1955

2955-1150
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-24/-25																						1	
-26/-27																						1	
-28/-29																						1	
TOTAL	16.76	0.81	0.3	1.4	0.9														846		846	846	

GLOBAL CLIMATOLOGY BRANCH
LEAFETAC
AIR WEATHER SERVICE/NAAC

PSYCHROMETRIC SUMMARY

102725 LLMEACGGE AFG AF
STATION STATION NAME

77-47

YEARS

FEF
MONTH

PAGE 1 3-7-68 1400

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												
44 / 42				.4	.1	.2												6	6													
42 / 41			.1	1.1	.4													13	13													
40 / 39		.1	.5	.6	.4													15	15													
38 / 37	.4	.7	1.2	1.4														26	26	5	3											
36 / 35	.2	1.5	2.8	.8	.1													47	47	7	3											
34 / 33	.1	1.9	3.3	.7														51	51	46	3											
32 / 31	.8	3.4	2.1	.8	.1													62	62	62	36											
30 / 29	.2	1.2	2.5	1.1	.1													43	43	61	39											
28 / 27	.2	2.7	1.7	.1														40	40	34	41											
26 / 25	.1	2.5	1.7	.4														39	39	58	52											
24 / 23	.2	1.5	2.6	.1														40	40	41	21											
22 / 21	1.2	2.8	2.2	.5														57	57	49	28											
20 / 19	.4	3.3	2.4															51	51	62	53											
18 / 17	.2	2.2	2.4	.1														45	45	75	41											
16 / 15	.2	2.6	2.4	.1														47	47	41	45											
14 / 13	1.1	3.2	1.8															51	51	54	36											
12 / 11	1.1	3.2	2.2															55	55	54	54											
10 / 9	.6	5.1	.6															55	55	54	50											
8 / 7	.1	3.7	.8															36	36	64	35											
6 / 5	.6	1.4																17	17	35	23											
4 / 3	.1	1.7																15	15	19	47											
2 / 1	.4	1.8																18	18	18	45											
0 / -1	.6	.2																7	7	13	41											
-2 / -3	.2	.2																4	4	6	39											
-4 / -5		.1																1	1	1	31											
-6 / -7																					23											
-8 / -9																					24											
-10 / -11																					22											
-12 / -13																					7											
-14 / -15																					10											
-16 / -17																					15											
-18 / -19																					1											
-20 / -21																					1											
Element (X)	Σx^2	Σx	$\bar{x}$	σ_a	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																				
Dry Bulb																																
Wet Bulb																																
Dew Point																																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

702726	CLMENDORE AFB AR	73-82	FR
STATION	STATION NAME	YEARS	MONTH
			PAGE 1
			10-14-63
			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			
71.1 AL	0.1	47.4	33.7	8.4	1.2	.2													84.6	-4.6	84.6			
																</								

2

10

74-82

YEARS

Feb.
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				
44 / 43					.5													4	4						
42 / 41				.5	.5													12	12						
40 / 39			1.3	1.1	.4													23	23						
38 / 37	.2	.5	2.1	1.1	.1													34	34	5	2				
36 / 35	.5	1.3	2.2	1.3	.1													46	46	35	4				
34 / 33		2.1	1.7	.8														56	56	47	2				
32 / 31	.8	2.1	2.5	1.8	.4													72	72	74	27				
30 / 29	.5	1.8	2.5	.7	.1													87	87	84	20				
28 / 27	.2	2.6	1.8	.1														40	40	45	50				
26 / 25		2.1	3.5	.5														52	52	56	43				
24 / 23	.1	2.1	1.9	.4														7	37	4	26				
22 / 21	.1	2.1	2.0	.5														6	40	4	46				
20 / 19	.5	2.1	3.0	.4														7	50	49	43				
18 / 17	.2	2.1	2.2	.2														41	51	30	46				
16 / 15	.4	2.8	3.0	.1														53	53	40	41				
14 / 13	.8	2.8	2.5															52	52	31	37				
12 / 11	.7	3.3	2.1															52	52	52	52				
10 / 9	.5	3.5	1.4															45	45	55	38				
8 / 7	.4	1.4	.8															22	22	52	23				
6 / 5	.2	2.1																20	20	27	21				
4 / 3	.2	1.5																15	15	24	44				
2 / 1	.4	1.7																17	17	13	17				
0 / -1	.3	.2																9	9	10	45				
-2 / -3		.1																1	1	1	30				
-4 / -5	.1	.1																2	2	1	25				
-6 / -7																				1	25				
-8 / -9																					10				
-10 / -11																					15				
-12 / -13																					5				
-14 / -15																					15				
-16 / -17																					8				
-18 / -19																					14				
-20 / -21																					1				

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	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												

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

100

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

YEARS.

770720 ELMORE AFB AR
STATION STATION

72-82

413

MONTH

PAGE 7

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	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	7.7	42.1	38.4	5.8	3.0													846	846	846	846			

12

704725 STATION ELMENCOR AFB AR STATION NAME

FF
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

702720	ELMWOOD AFB AR
STATION	STATION NAME

77-82

YEARS

550

PAGE 7 1000-2000
HOURS (L. S. T.)

USAFETAC
FORM 0-26-5 (OL A)
REV. 4-64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

752725 ELMENDORF AFB AR
STATION STATION NAME

77-67

YEARS

NAME _____

PAGE 1

~~SECRET~~
HOURS (L.S.T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
COMFETAC
ATC WEATHER SERVICE/940

PSYCHROMETRIC SUMMARY

700720	LLPENCORF AFB AR
STATION	STATION NAME

77-8-

YEAR 1

664

MONTANA

FILE

2106-2106
MOORE, J. 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/-03																																					
4/-27																																					
4/-29																																					
TOTAL	28.537	617.4	3.5																																		
											</																										

GLOBAL CLIMATOLOGY BRANCH
LEAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703720 ELNENCOFF AFB AK
STATION STATION NAME

73-82

YEARS

FE
MONTA

PAGE 1

ALL
MAY 11 1964

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

76272E	CLMENCORF AFB AK
STATION	STATION NAME

73-63

YEARS

455

MONTH

PAGE 7

213

HOURS 11. 9. 7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-20/-21																						11.1	
-22/-23																						4.2	
-24/-25																						3.4	
-26/-27																						1.6	
-28/-29																						1.1	
-30/-31																						2	
-32/-33																						2	
TOTAL	15.	54.	121.	0	4.7	.9	.1												6768	6768	6768		

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700720 ELMENTOFF AFB AK STATION

71-60

YEARS

MONTH

PAGE 1 0000-0000
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/ 41								.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
CLIMATE
AIR QUALITY SECTIONS

PSYCHROMETRIC SUMMARY

7-2720 PLMFA_CHE LFE AM
STATION STATION NAME

- 7 - 8 -

YEARS

• • •

MONTH

PAGE 7 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

434

MONTH

PAGE 1

DATE-FILE
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 / 46					.1													1	1															
44 / 43					.2	.1												4	4															
42 / 41			.2	.4	.3													7	5															
40 / 39			.4	.5	.1													10	10															
38 / 37		.1	.9	.3	.3													15	15	5														
36 / 35		.4	1.5	.4														22	22	15														
34 / 33	.3	2.5	1.8	.1														44	44	15	3													
32 / 31	.6	5.7	2.5	.5														77	67	55	14													
30 / 29	.5	6.0	4.3															101	101	75	17													
28 / 27	1.6	5.6	2.5															50	50	107	44													
26 / 25	.5	4.8	1.9															69	69	95	64													
24 / 23	.2	4.1	1.2															51	51	77	44													
22 / 21	1.1	3.5	1.9															54	64	67	57													
20 / 19	.6	3.5	1.2	.1														54	54	52	15													
18 / 17	.2	3.2	1.1															42	47	44	71													
16 / 15	.3	3.7	.2															44	44	42	52													
14 / 13	.1	2.7	.2															28	29	46	41													
12 / 11	.2	3.1	.1															27	27	34	54													
10 / 9	1.7	2.4	.1															22	22	44	33													
8 / 7	.6	2.4																26	26	33	40													
6 / 5	.4	1.4																17	17	21	35													
4 / 3	.6	1.2																17	17	21	28													
2 / 1	.4	1.5																22	22	22	46													
0 / -1	1.7	.2																12	12	12	34													
-2 / -3	.9	.3																11	11	12	16													
-4 / -5	.3	.1																6	6	7	25													
-6 / -7	1.1																	10	10	11	17													
-8 / -9	.2																	3	3	3	12													
-10 / -11	.1																	1	1	1	12													
-12 / -13																					6													
-14 / -15																					10													
-16 / -17																					1													
-18 / -19																					2													
-20 / -21																					1													
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total											
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

YEARS

712720	ELMENDORF AFB AM
STATION	STATION

73-82

۲۵۵

MONTH

E A S E

0300-5551

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702740 ELMENTORE AFB AR 71-82 YEARS MONTH

PAGE 1 1000-2810
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
47 / 47											.1	.1																					2	2		
46 / 45											.2	.1																					3	3		
44 / 43							.1	.5																									6	6		
42 / 41							.6	.1																									7	7		
40 / 39							.5	.2	.1																								5	5	1	
38 / 37				.1	.3	.2	.1																										5	5	2	
36 / 35			.6	1.0	.3																												18	18	13	
34 / 33	.2	2.2	2.7	.2	.1																												56	56	15	1
32 / 31	.6	5.1	3.8	.2																													90	90	55	16
30 / 29	1.0	5.3	4.0																														55	55	64	25
28 / 27	1.6	7.0	2.5	.1																													104	104	105	55
26 / 25	.6	3.6	2.4																														64	64	105	66
24 / 23		1.6	.5																														22	22	66	45
22 / 21	.2	4.1	1.7																														61	61	42	60
20 / 19	.5	4.6	1.1																														61	61	62	104
18 / 17	.1	4.2	1.0																														49	49	51	53
16 / 15	.3	4.1	.3																														44	44	46	42
14 / 13	.1	3.2	.3																														34	34	42	41
12 / 11	1.0	2.7	.2																														76	76	43	56
10 / 9	.6	2.6																															32	32	35	51
8 / 7	.2	2.3																															23	23	31	41
6 / 5	1.2	1.5																															25	25	32	33
4 / 3	1.1	1.7																															26	26	36	35
2 / 1	1.2	.5																															17	17	16	25
0 / -1	1.0	.2																															17	17	15	43
-2 / -3	.6	.1																															7	7	6	25
-4 / -5	.4	.1																															5	5	6	20
-6 / -7	.5																																2	2	6	22
-8 / -9	.3																																3	3	3	6
-10 / -11	.1																																1	1	1	1
-12 / -13																																				
-14 / -15																																				10
-16 / -17																																				6
-18 / -19																																				2
Element (X)	Σ X'			Σ X			X			σ _x			No. Obs.			Mean No. of Hours with Temperature						Total														
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F															
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	CLMENDOFF AFB AR
STATION	STATION NAME

72-42

YEARS

444

MONTH

PAGE - 1600-1800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USFSLTAC
ALL WEATHER SERVICE/INAC

PSYCHROMETRIC SUMMARY

700760 LYNCHBURG AFB VA
STATION STATION NAME

73-30

YEARS

DATE
MONTH

1455

CSLC-112
HQSMS 11-5-71

[illegible]

GLOBAL CLIMATOLOGY BRANCH
COMETAC
AIR WEATHER SERVIC ZNAC

PSYCHROMETRIC SUMMARY

712720	ELMENDORF AFB TX
STATION	STATION NAME

72-35

YEARS

442

MONTH

540

100-2455

MOUSE 11-5-71

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															
49/ 49								.1	.2									3	7																
47/ 47							.1	.4										5	5																
45/ 45					.1	.3												7	7																
43/ 43			.1	.7	1.2	.3												16	18																
41/ 41		.1	.4	2.	1.9													42	43																
39/ 39		.1	1.6	1.5	1.5													44	44																
37/ 37		1.5	3.2	3.4	.3													78	78	54															
36/ 35	.2	2.3	3.2	3.2	1.7													63	67	62															
34/ 33	.2	1.4	3.7	2.8	.4													61	61	57															
32/ 31	.4	2.8	5.6	4.6	1.7													124	124	75															
30/ 29	.5	1.1	4.7	1.7														68	68	61															
28/ 27		1.4	3.7	3.1														73	73	64															
26/ 25		1.7	4.7	1.4														66	66	56															
24/ 23		.8	2.4	.2														71	71	47															
22/ 21		2.3	2.7	.9														46	46	67															
20/ 19	.1	3.4	2.7	.1														45	45	125															
18/ 17		1.6	1.5															25	25	42															
16/ 15		1.6	1.2															46	46	61															
14/ 13		1.5	.4															18	18	71															
12/ 11	.1	.2	.5															13	13	61															
10/ 9	.3	.2																4	4	74															
8/ 7																				1															
6/ 5																																			
4/ 3																																			
2/ 1																																			
0/ -1																																			
-2/ -3																																			
-4/ -5																																			
-6/ -7																																			
-8/ -11																																			
TOTAL	1.8	22.9	40.0	25.5	5.7	.9	.1	.2										930		57															

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3454794	55140	59.3	14.321	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	893444	27566	30.0	7.926	930		55.5					52
Wet Bulb	677154	24234	26.1	7.013	930		72.8					63
Dew Point	341233	15645	16.8	9.205	930	4.8	91.8					64

PSYCHROMETRIC SUMMARY

7-2720 -LMNCCRF AFB AM
STATION STATION NAME

73-62

YEARS

4. A 3 MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
40 / 49									.2									2	2																
41 / 47								.2										4	4																
42 / 46					.4	.6		.3										13	13																
43 / 43				.7	1.0			.5										17	17																
44 / 41			.4	2.5	1.1			.3										40	40	3															
45 / 39				1.6	4.1	1.1												23	23	5															
46 / 37		1.4	3.5	3.1	1.6													50	50	17															
47 / 35		1.4	3.2	4.4	.6													50	50	21	3														
48 / 33		2.3	3.7	4.1	1.2													104	104	115	6														
49 / 31	.3	3.2	5.6	4.3	.5													176	136	76	42														
50 / 29	.2	.6	3.4	3.1	.4													72	72	129	45														
51 / 27	.1	2.2	2.3	2.8														70	70	53	22														
52 / 25		.8	1.3	.6														44	44	112	35														
53 / 23		1.5	2.2	1.3														41	41	60	43														
54 / 21		1.0	2.8	.1														47	47	43	71														
55 / 19		1.5	2.5	.2														43	43	46	112														
56 / 17	.1	1.3	1.0															24	24	56	49														
57 / 15			.4															11	11	23	67														
58 / 13	.3	.1	.6															9	9	16	55														
59 / 11	.2	.5																2	2	17	71														
60 / 9		.2																2	2	7	59														
61 / 7																				1	40														
62 / 5																					25														
63 / 3																					21														
64 / 1																					25														
65 / -1																					10														
66 / -3																					11														
67 / -5																					2														
68 / -7																					4														
TOTAL	1.2	13.5	53.9	42.1	2.2	3.4	1.6											930		930	930														

Element (X)	ΣX^1	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	13515.0	54250	56.7	14.167	530	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$\leq 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	548155	22255	31.1	7.345	530		50.7					53
Wet Bulb	714312	25544	26.5	6.560	530		70.5					52
Dew Point	356646	16241	17.5	5.054	530	3.5	62.1					6

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GLOBAL CLIMATOLOGY BRANCH
 CLAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 ELLENORSE AFB AR
 STATION STATION NAME

73-67

YEARS

MAF
 MONTH

PAGE 1 1070-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
46/ 45																				3	2				
44/ 42				.2																9	9				
42/ 41			.1	.8	.8	.1														16	16				
40/ 39		.1	1.1	2.7	.1		.1													37	37	2			
38/ 37		.8	3.1	2.4	.2															60	60	6			
36/ 35	.1	2.9	3.2	2.5																81	81	42			
34/ 33	.1	3.0	4.5	1.7	.4															79	79	91			
32/ 31	.3	6.2	5.2	1.9	.3															130	130	95			
30/ 29	1.1	3.9	4.9	1.6																107	107	170			
28/ 27		3.3	3.1	1.5																76	76	89			
26/ 25	.2	2.7	2.7	.6																67	67	99			
24/ 23		1.1	2.6	.8																41	41	53			
22/ 21	.3	2.5	2.4	.4																32	32	65			
20/ 19	.3	1.7	1.8																	26	26	55			
18/ 17		2.5	1.7																	39	39	47			
16/ 15	.1	1.2	1.2																	23	23	41			
14/ 13	.2	1.6	.9																	25	25	48			
12/ 11	.4	1.7	.2																	22	22	73			
10/ 9	.2	1.4	.1																	15	15	21			
8/ 7	.1	.3																		4	4	15			
6/ 5	.1	.2																		3	3	31			
4/ 3	.1	.1																		2	2	3			
2/ 1	.2																			2	2	3			
0/ -1																									
-2/ -3																									
-4/ -5																									
-6/ -7																									
-8/ -9																									
-10/-11																									
TOTAL	4.2	37.2	39.5	16.1	2.7	.1														930	530	930			
																							930		530
																							</		

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

750720 ALPENCROSS AFB AR
STATION STATION NAME

72-82

YEARS

18
MONT.

PAGE 1

2100-2200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/NAF

PSYCHROMETRIC SUMMARY

700700	CLMONTGOMERY AFB Ar
STATION	STATION NAME

73-61

YEARS

MONTH

PAGE 1

ALL

HOURS L. S. T.

[illegible]

2

PSYCHROMETRIC SUMMARY

72-82

YEARS

49
MONTH

CASE 7

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

YEARS

702720	LLMENDOFF AFB AK
STATION	STATION NAME

77-87

6 FEB
MONTH

PAGE 1 0000-0700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
40 / 40				.1														1	1													
40 / 41			.1	.1	.4													6	5													
40 / 41			.1	1.3	.6	.6	.3											28	28	1												
40 / 39			.8	1.9	.8	.2												33	33	5												
39 / 27			2.8	4.8	1.0	.1												33	33	23	5											
39 / 25		.6	6.7	8.0	2.0	.1												156	156	68	9											
39 / 23	1.6	8.6	6.1	2.7														104	164	157	28											
39 / 31	1.2	5.1	6.2	1.9														166	166	177	102											
39 / 29	.6	3.9	3.7	1.2														24	84	133	126											
39 / 27	.1	2.3	2.2	.9														56	56	116	109											
39 / 25	.2	1.4	3.2	.2														40	46	73	111											
39 / 23		.8	.7	.1														14	14	49	54											
39 / 21		1.2	1.4															24	14	35	77											
39 / 19		1.1	.9															10	14	22	70											
39 / 17		.3	.7															11	11	15	57											
39 / 15		.1	.2															5	5	10	30											
39 / 13		.1																1	1	10	23											
39 / 11		.1																1	1	2	34											
39 / 9																					17											
39 / 7																					20											
39 / 5																					7											
39 / 3																					6											
39 / 1																					6											
39 / -1																					4											
39 / -3																					2											
TOTAL	4.240	8.41	7.11	8	1.3	.2												500	500	500	500											

Element (X)	Σ x'	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4722143	54769	71.2	13.351	500	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	951116	28978	32.1	5.236	500		42.5					50
Wet Bulb	794979	26353	29.3	5.095	500		64.2					50
Dew Point	542574	21056	23.4	7.455	500	.7	86.0					50

USAFETAC FORM 0-26-5 (OLA)
REV. 44 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712720	ELMENDORF AFB AK
STATION	STATION NAME

73-81

YEARS

ALL
MONTH

PAGE : 2101-2200
HOURS (L. S. T.)

[illegible]

SEVERAL PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

USAFETAC

YEARS _____ MONTH _____

PAGE 1 1070-0600

HOURS (L. S. T.) _____

70220	ELMENDORF AFB TX
STATION	STATION NAME

7. 3. 2011

YEARS

4 F 7
MONTH

255 1

670-0200
HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
COMFETAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

7.0720 ALMENCEGE AFB AR
STATION STATION NAME

77-87

YEARS

AF
MONT

PAGE 1 5400-115
HOURS (L. S. T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

777201 LLPONDORF SFE AX
STATION STATION NAME

73-EC

YEARS

AFR
MONTH

PAGE 1 1270-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																
64/ 62									.1									1			1															
62/ 61									.1									1			1															
61/ 59									.1									1			1															
59/ 57									.1									5			5															
58/ 55							.4		.1									11			11															
54/ 52							.3	.1										4			4															
52/ 51						.7	.8	.6	.1									16			16															
50/ 49				.1	.9	2.1	1.5	.1										42			42															
48/ 47				.7	1.2	1.1	.2											75			75															
46/ 45		.1	.3	2.3	3.7	3.3	.3											90			90															
44/ 42		.2	1.0	2.9	3.6	2.6	.1											93			93															
42/ 41		.4	1.5	3.6	4.9	1.7												130			130															
40/ 39		1.1	3.2	4.3	3.1	1.2												117			117															
38/ 37		.2	1.7	4.1	1.8	.6												53			53															
36/ 35	.7	1.7	2.3	3.3	1.8													45			45															
34/ 33	.3	1.6	1.5	2.7	2.3													65			65															
32/ 31		1.2	.7	1.2	.8													35			35															
30/ 29		.4	.3	1.0														16			16															
28/ 27		.3	.4	1.0														15			15															
26/ 25		.3	.5	.2														13			13															
24/ 23			.1															1			1															
22/ 21			.1															1			1															
20/ 19																																				
18/ 17																																				
16/ 15																																				
14/ 13																																				
12/ 11																																				
10/ 9																																				
8/ 7																																				
6/ 5																																				
4/ 3																																				
2/ 1																																				
0/ -1																																				
Element (X)	Z _X ¹	Z _X	X	e _a	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE / ABC

PSYCHROMETRIC SUMMARY

750720 ELMENORFF AFB AR
STATION STATION NAME

73-5:

YEARS

265
MONTH

PAGE 1 100-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
LEAFLET
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700720	ELMENDORF AFB AK
STATION	STATION NAME

73-85

YEARS

APR
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
C/OPF7AC
AIR WEATHER SERVICE/PAO

PSYCHROMETRIC SUMMARY

712721 ALMENDORF AFB AR
STATION STATION NAME

7-2-

YEARS

AF:
MONTH

PAGE 1500-1700
HOURS (L, S, T, I)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE /HAC

PSYCHROMETRIC SUMMARY

7 1200 EL MENDOZ AFB AB 73-01
STATION STATION NAME YEARS
PAGE 1 1200-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																			
61																																							
59																																							
57																																							
55																																							
53																																							
51																																							
49																																							
47																																							
45																																							
43																																							
41																																							
39																																							
37																																							
35																																							
33																																							
31																																							
29																																							
27																																							
25																																							
23																																							
21																																							
19																																							
17																																							
15																																							
13																																							
11																																							
9																																							
7																																							
5																																							
3																																							
1																																							
-1																																							
-3																																							
Element (X)	ΣR^2			ΣR			Σ			σ_R			No. Obs.			Mean No. of Hours with Temperature						Total																	
Rel. Hum.																																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26-5 (OL AI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

AF
MONTH

PAGE 3

~~1-2-2-2-2-2~~
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7:22	CLMFA00FF AFB AK
STATION	STATION NAME

72-55

YEARS

ACE

MONTH

PAGE 1 2170-2700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

752720 ELMLACGEF AFE AM
STATION STATION NAME

72-42

YEARS

AF 6
MONTH

1. 2. 3.

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

700720 EL PASO AFB AR STATION

77-82

J F F

MONTH

YEARS

PAGE 3

ALL

HOURS (L, S, T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

72-82

YEARS

25
MONTH

PAGE 1 CONFIDENTIAL
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 44

752720 ELMEGGE AFE AX

73-67

222

STATION

STATION NAME

YEARS

MONTH

FACE 1

0300-0500

HOURS (1 - 9 - 7 - 1)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
57/ 57																		1	1					
56/ 55					.1		.1											2	2					
54/ 53			.2	.1	.7													6	6					
52/ 51			.2	.1	.2	.3												8	8	3	1			
50/ 49			.2	.2	.5	.8												16	16	4	2			
48/ 47			.8	1.2	1.4	1.6												40	40	7	5			
46/ 45	.1	2.7	3.1	2.7	.5	.1												80	80	17	7			
44/ 43	.3	4.3	6.2	5.4	.1													152	152	56	6			
42/ 41	.1	3.7	11.7	7.8														179	179	101	26			
40/ 39	.1	5.6	11.1	1.0	.3													168	168	146	63			
38/ 37		6.2	4.3	.6														104	104	219	25			
36/ 35	.1	6.1	3.4	.5														95	95	175	106			
34/ 32	.2	3.1	1.7	.3														50	50	110	167			
32/ 31	.1	1.8	.6															24	24	56	215			
30/ 29		.5																5	5	76	115			
28/ 27																				10	56			
26/ 25																					47			
24/ 23																					10			
22/ 21																					14			
20/ 19																					6			
18/ 17																					4			
TOTAL	1.134	8.843	8.16	7.3	.3	.2	.1											930	930	930	930			

2

7-2-82

YEARS

MONTH

PAGE 1

SECRET-DECLASS
HOURS (L. S. T.)

0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712720	ELMENDORF AFB AK
STATION	STATION NAME

73-EC

YEARS

DAY
MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

752725 ELMEGEE AFS AM
STATION STATION NAME

72-42

YEARS

MON T H

FILE # 125-141
MOBILE 11-5-11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
68/ 67								.1	.3	.4	.2							11	11																
67/ 66								.3	.5	.4								12	12																
64/ 63						1.0	.1	.4										14	14																
62/ 61					.1	.4	1.7	.2										21	21																
60/ 59					.7	1.1	.5	.9										26	26																
58/ 57					.4	1.4	3.7	1.7	.2									26	26																
56/ 55			.2	.5	1.7	4.5	4.6	1.0	.1									114	114																
54/ 53				1.0	1.5	7.1	3.3	.7										127	127		14														
52/ 51			.1	1.9	4.5	6.4	2.9	.2										167	167		70														
50/ 49		.1	1.1	2.3	6.5	7.8	1.5											191	191		1														
48/ 47		.2	1.7	2.3	5.6	1.6	.2											104	104		4														
46/ 45		.4	.5	2.7	2.5	.4												24	24	125	17														
44/ 43		.9	1.4	2.0	.3	.1												44	44	203	11														
42/ 41		.2	.1	.6	.1													10	10	226	25														
40/ 39		.4	.2															6	6	194	22														
38/ 37		.1																1	1	24	2														
36/ 35	.1																	1	1	11	54														
34/ 33																				2	126														
32/ 31																					167														
30/ 29																					140														
28/ 27																					76														
26/ 25																					48														
24/ 23																					13														
22/ 21																					35														
20/ 19																					17														
18/ 17																					4														
16/ 15																					1														
TOTAL	.1	2.4	5.7	11.3	32.7	52.5	81.8	6	5.6	1.2	.2							970	230	970	920														

Element (X)	Σx^1	Σx	$\bar{x}$	σ_a	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2332942	45064	48.5	12.596	531	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2534052	44306	51.5	5.164	530			1.0				51
Wet Bulb	1755747	40261	43.2	3.711	531							51
Dew Point	597257	25955	32.3	5.643	530		50.8					51

702720	LLMENDOFF AFB AK
STATION	STATION NAME

72-62

YEARS

DAY
MONTH

PAGE 1 15FC-1700
HOURS (L. S. T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

700720 LLMEADORE AFB AK
STATION STATION NAME

72-82

YEARS

DAY
MONTH

PAGE 1

1,000-2,000
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				
72/ 71							.1													1	1			
71/ 69							.1	.1		.1										3	3			
68/ 67									.1											1	1			
66/ 65									.2	.5										7	7			
64/ 63					.1	.1	.4	.4	.1											11	11			
62/ 61					.1	.3	.2	.2												9	9			
60/ 59					.4	.4	.2	.4												14	14	1		
58/ 57				.3	1.0	1.8	.8	.4												40	40			
56/ 55				.9	1.7	2.0	2.5	.7												65	65	1		
54/ 53			.1	1.3	1.3	4.9	3.1	.2												102	102			
52/ 51			.2	1.6	2.9	4.3	3.3	.2												136	136	27		
50/ 49		.2	.8	2.6	8.4	5.6	2.0													182	182	75	1	
48/ 47		.5	1.8	4.4	5.1	2.9	.1													139	139	49	4	
46/ 45		.8	2.5	5.2	3.3	.6														115	115	87	13	
44/ 43		.5	1.7	3.4	.8	.2														58	58	179	24	
42/ 41		.4	2.0	1.4	.2															38	38	217	40	
40/ 39		.9	.5																	17	17	159	65	
38/ 37	.2	.3																		5	5	102	75	
36/ 35	.1																			1	1	74	85	
34/ 33	.1																			1	1	1	111	
32/ 31																							174	
30/ 29																							123	
28/ 27																							65	
26/ 25																							66	
24/ 23																							52	
22/ 21																							35	
20/ 19																							5	
18/ 17																							4	
TOTAL	.4	3.7	5.2	21.1	25.8	23.2	12.5	2.8	.8	.1										930	930	576	930	
Element (X)	Σ X'	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total											
Ref. Num.	2727455	46655	52.7	17.597	530	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total												
Dry Bulb	2344750	46448	49.5	5.185	530			5				53												
Wet Bulb	1674361	29307	42.7	3.745	530							53												
Dew Point	558177	26995	22.7	5.758	530		53.6					53												

FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700720	ELMENDORF AFB TX
STATION	STATION NAME

73-82

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			
66 / 65								.1										1	1					
62 / 61							.1	.1										4	4					
58 / 59					.2	.3	.2	.2										5	5					
56 / 57					.4	.2	.3											9	9					
56 / 55			.1	.1	1.1	.5												17	17					
54 / 53			.5	1.1	1.2	1.5	.3											37	37	3				
52 / 51			.5	1.5	2.2	1.4	.7	.1										62	58	8				
50 / 45		.2	1.7	1.7	5.1	1.6	.3											65	55	14	1			
48 / 47		.6	2.4	5.3	5.1	1.4	.1											138	138	48	5			
46 / 45		1.5	5.4	6.6	5.2	1.1												186	186	58	10			
44 / 43		3.3	5.5	7.5	1.5													155	155	102	21			
42 / 41		1.2	4.6	3.2	.6													60	50	106	51			
40 / 35	.7	1.7	5.1	1.3	.1													78	78	271	73			
38 / 37	.1	1.5	1.3	.4														31	31	175	70			
36 / 35		.9	.2	.1														11	11	51	31			
34 / 33	.1		.1															2	2	57	15			
32 / 31		.1																1	1	5	105			
30 / 29																				1	106			
28 / 27																					58			
26 / 25																					40			
24 / 23																					26			
22 / 21																					20			
20 / 19																					4			
18 / 17																					1			
TOTAL	.410	.328	.328	.323	.2	7.4	1.1	.5										530		530	530			

JUDICIAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700700 STATION ELMWOOD AFB AR STATION NAME

77-84

YEARS

6 E 4
MONTH

FACT :

_____ 4 1 1
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

752720	ELMENDORF AFB TX
STATION	STATION NAME

73-62

YEARS

6.1 MONTH

PAGE 2

100-1200
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			
51/ 50				.5	.2													13	13			
50/ 50			.6	1.2	1.3	.2												30	20			
49/ 55			2.5	4.0	2.3	.0												51	51	1		
48/ 53		.2	5.7	4.4	1.5	.2												105	105	16		
47/ 51		1.8	6.2	5.0	1.4													134	134	46	1	
46/ 49		3.1	5.0	7.3	1.7	.1												151	151	140	31	
45/ 47		5.2	8.6	6.0	.7													184	184	160	72	
44/ 45		4.2	4.1	1.2	.1													87	57	205	50	
44/ 43		0.4	2.4	.7														00	00	145	145	
42/ 41		.2	.3	.2														6	0	103	159	
40/ 35		.1	.3															4	4	28	140	
36/ 37	.1																	1	1	12	129	
37/ 35																				4	70	
34/ 33																					20	
37/ 31																					20	
37/ 25																					10	
36/ 27																					1	
TOTAL		.117	.335	.730	.710	.1	.2	.1											900	900	900	900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702740 ELMENDOFF AFB AK
STATION STATION NAME

72-82

YEARS

MONTH

PAGE 1 SECRET
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
62/ 61							.1											1	1						
61/ 59					.1	.1	.1											5	6						
58/ 57			.2	.8	.4	.3		.1										17	17						
56/ 55		.1	3.4	2.2	1.0	.2												64	64	1					
54/ 53		.2	4.1	3.1	2.0	.2												7	67	9					
52/ 51		1.6	5.0	4.0	1.2													106	106	40					
50/ 49		4.6	5.9	4.4	1.0													170	170	67	50				
48/ 47	.1	7.7	5.7	6.6	.3													219	215	142	66				
46/ 45		6.4	6.0	1.3														124	124	224	79				
44/ 43		3.0	3.3	.2														59	59	195	122				
42/ 41		1.0	3.1	.1														38	38	113	179				
40/ 39		.6	.1	.1														7	7	50	155				
38/ 37		.2																2	2	23	116				
36/ 35																				1	85				
34/ 33																					40				
32/ 31																					12				
30/ 29																					6				
28/ 27																					2				
TOTAL		.125	.343	.923	.2	6.1	1.0	.2	.1										900		900				
																		900		900					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	CLMENCOFF AFB AR
STATION	STATION

72-62

YEARS

22 JUL 1964

PAGE 1

5600-0800
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												
65 / 65					.1	.1												2	2														
64 / 63					.2	.2												3	3														
62 / 61				.4	1.0	.1	.2	.1										15	18														
60 / 59			.2	1.8	1.0	1.1	.3	.2										42	42														
58 / 57			.7	2.8	2.2	1.1	.2											77	77	1													
56 / 55		.1	1.1	4.1	4.2	2.7												111	111	11													
54 / 53		.3	2.5	4.5	3.5	.4	.1											105	105	35													
52 / 51		1.3	4.7	8.4	3.1	.3												161	161	64	5												
50 / 49		3.2	5.5	5.8	1.6													176	176	134	37												
48 / 47	.2	4.2	6.4	3.4	.2													171	171	204	70												
46 / 45		3.6	3.2	.1														62	62	227	27												
44 / 43		.7	.4															10	10	160	126												
42 / 41																		2	2	56	211												
40 / 39																				3	137												
38 / 37																				1	121												
36 / 35																					72												
34 / 33																					17												
32 / 31																					13												
30 / 29																					1												
28 / 25																					1												
TOTAL	.313	.425	.631	1.818	1.1	6.1	1.1	.2										900		900	900												

Element (X)	Σ x'	Σ x	Σ	Σ n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	43154.9	61428	68.3	11.874	900	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≥ 93 F	
Dry Bulb	2438366	46654	51.5	4.189	900							900
Wet Bulb	1581567	42137	46.8	3.121	900							900
Dew Point	1554166	37216	41.4	4.118	900		1.7					900

PSYCHROMETRIC SUMMARY

73-62

YEARS

MONT

PAGE 1 CSCC-1150
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												
66/ 67						.3	.6	.1										11	11													
66/ 65					.2	.7	.4	.7	.1									15	15													
64/ 63					1.2	1.8	1.5	.7										50	50													
62/ 61				.6	2.2	3.6	1.3	.2										69	69													
58/ 59	.1		.2	.7	2.6	4.1	1.1	.1										80	80	1												
58/ 57			.4	2.6	4.0	2.1	1.3											107	107	8												
56/ 55		.1	.4	3.8	6.4	3.1	.4											129	129	41												
54/ 53		.4	1.6	5.3	8.8	1.3	.3											133	133	54	1											
52/ 51		.6	4.6	5.4	2.4	.1												120	120	125	8											
50/ 49	.1	2.2	4.5	4.4	.7													111	111	152	42											
49/ 47		2.3	2.8	.8	.1													84	84	234	52											
46/ 45		1.1	.6															17	17	185	1.2											
44/ 43																				84	134											
42/ 41																				10	107											
40/ 39																					141											
38/ 37																					117											
36/ 35																					72											
34/ 33																					21											
32/ 31																					15											
30/ 29																					7											
28/ 27																					3											
TOTAL	.2	7.215	427.625	918.1	7.7	1.8	.1											900	900	900	900											

Element (X)	Σ X ²	Σ X	Σ	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3455762	64668	61.0	13.517	500	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2761881	45655	55.2	4.959	500			1.3				50
Wet Bulb	2118616	43566	48.4	3.290	500							50
Dew Point	1554868	37208	41.3	4.298	500		2.1					50

PSYCHROMETRIC SUMMARY

752720 ELMENDORF AFB AK
STATION STATION

77-87

YEARS

21
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point												
74 / 73																		4	4													
72 / 71																		9	9													
70 / 69																		19	19													
68 / 67																		29	29													
66 / 65																		52	52													
64 / 63																		65	65													
62 / 61																		102	102													
60 / 59																		116	116													
58 / 57																		128	128													
56 / 55																		128	128													
54 / 53																		108	108													
52 / 51																		73	73													
50 / 49																		44	44													
48 / 47																		25	25													
46 / 45																		4	4													
44 / 43																																
42 / 41																																
40 / 39																																
38 / 37																																
36 / 35																																
34 / 33																																
32 / 31																																
30 / 29																																
28 / 27																																
26 / 25																																
TOTAL	.1	3.9	10.6	14.1	22.4	22.9	17.5	6.2	1.4	.4								500	500	500												

PSYCHROMETRIC SUMMARY

762720 CLMENDOFE AFB AK
STATION STATION NAME

73-62

YEARS

MONTH

ГАСГ 1

1:15-1711
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720
STATION

CLPENCOSF AFB AK
STATION NAME

73-67

YEAR

MONTH

PAGE 1 1500-2000
HOURS (L.S.T.)

[illegible]

72-42

YEARS

1 MONTH

PAGE 2 2000-2300
HOURS (L. S. T.)

0-26-5 (OLA)

YEARS

702720 FLMPNLCFF AFE AK

73-82

LLA

STATION

STATION NAME

PAGE 1

211

HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
RM 44

PSYCHROMETRIC SUMMARY

73-47

YEARS

MONTH

PAGE 1 0000-0210
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AK
STATION	STATION NAME

73-27

YEARS

666
MONTH

PAGE 1

0370-0500
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
64/ 63							.2	.1										3	7				
62/ 61				.2	.4	.8	.3											17	17				
60/ 59		.1	.5	1.2	1.3													25	29				
58/ 57		.4	2.5	4.0	.9	.1												83	82	5			
56/ 55	.1	4.0	7.0	4.8	.5													152	152	77	5		
54/ 53	.1	11.0	14.2	4.0	.5													276	276	176	42		
52/ 51	.3	7.1	9.4	1.4	.3													172	172	276	95		
50/ 49		6.7	5.2	.6														116	116	276	189		
48/ 47	.1	2.9	1.5	.3														48	48	146	218		
46/ 45	.2	1.8	.5															24	24	85	186		
44/ 43		.3	.1															4	4	71	116		
42/ 41		.2	.1															3	3	6	62		
40/ 39																				2	77		
38/ 37																					11		
36/ 35																					2		
TOTAL	.934	.442	.916	.9	4.3	.6	.1													910	910		
													</										

2

72-82

YEARS

MONTH

PAGE 1

24-24
HOURS (L. S. T.)

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712720	ELPHENORE CFB AK
STATION	STATION NAME

72-40

YEARS

669
MONTH

PAGE 1

OSU-1100
HOURS (1-5-Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
70 / 70									.1	.1								2	2													
70 / 71								.1	.2	.1								4	4													
70 / 72						.1	.3	.4	.1									13	13													
70 / 73					.2	1.0	.9	.5										15	15													
70 / 74				.2	1.6	1.1	1.7	.1										30	30													
70 / 75			.2	1.9	1.1	1.7	.1											47	47													
70 / 76		.1	1.1	1.3	2.5	1.5												79	79													
70 / 77		.2	2.5	5.3	1.5	.2												101	101	3												
70 / 78		2.3	5.7	4.9	1.8	.3												142	142	35												
70 / 79		1.5	4.5	7.0	3.2	.9												163	163	75												
70 / 80		4.5	7.8	4.5	1.6	.1												175	175	154												
70 / 81		3.3	6.0	2.2	.1													109	109	253												
70 / 82		1.4	2.3	.1														35	35	125												
70 / 83		.2	1.2															13	13	191												
70 / 84																				58												
70 / 85																				3												
70 / 86																				164												
70 / 87																				2												
70 / 88																				45												
70 / 89																				17												
70 / 90																				15												
70 / 91																				4												
70 / 92																				1												
TOTAL		11.5	24.5	24.4	21.0	5.9	7.2	1.4	.3	.1								930	930	570												
																						</										

GLOBAL CLIMATOLOGY BRANCH
CLIMATE
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 STATION LLMEACCE AFM AM STATION NAME

72-52

YEARS

MINUTE

PAGE 2 1251-142
HOURS (L.S.T.)

[illegible]

YEARS

70272L	ELMENDOFF AFB AK
STATION	STATION NAME

73-82

414

MONTH

F A C T 1

1504-1716

HOURS (L, S, T,)

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

PSYCHROMETRIC SUMMARY

72-122

YEARS

MONT

PAGE : 1855-2110
HOURS (L. S. T.)

FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 1000 ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712720	ELMENDORF AFB AM
STATION	STATION NAME

72-82

YEARS

ALL
MONTH

PAGE 1 2170-2700
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

704720 CLMENCEFF AFB AK
STATION STATION NAME

72-82

YEARS

MONTH

FALE 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				
64/ 83											.1							1	1						
62/ 81										.1	.1							2	2						
60/ 79									.1	.1								2	2						
76/ 77									.1	.1								2	2						
76/ 76							.1	.1	.2	.1								31	31						
76/ 73							.2	.4	.2									60	60						
70/ 71						.1	.5	.7	.1									59	59						
70/ 69					.1	.7	1.0	.5	.1									173	173						
68/ 67				.1	.3	1.2	.8	.4	.1	.1								211	211						
66/ 65				.1	1.4	1.4	1.1	.2	.1									323	323						
64/ 63			.1	.8	2.4	2.8	.7	.1										509	509	13					
62/ 61		.1	.5	2.6	2.9	1.6	.3	.1										654	654	75					
60/ 59		.2	2.2	4.5	2.9	1.1	.3											849	849	211					
58/ 57		1.4	5.1	4.7	1.9	.4	.1											959	959	547	11				
58/ 55	.1	4.5	7.9	4.5	1.1	.1												1346	1346	1018	148				
54/ 53	.1	5.2	7.5	2.1	.3													1124	1124	1636	467				
52/ 51	.1	3.1	4.0	.4	.2	.1												580	580	1692	1039				
50/ 49	.1	1.9	1.6	.2														279	279	1265	1578				
48/ 47	.1	.7	.3	.1														86	86	528	1544				
46/ 45	.1	.3	.1															26	26	191	1245				
44/ 43		.1	.1															7	7	55	737				
42/ 41		.1	.1															3	3	10	325				
40/ 39																				3	151				
38/ 37																					105				
36/ 35																					51				
34/ 33																					7				
32/ 31																					3				
TOTAL		217	625	520	144	57	45	25	5	2	.1							7440	7440		7440				

Element (X)	Σ x ²	Σ x	$\bar{x}$	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	19156507	521237	70.114448	7440	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Dry Bulb	25211662	431113	57.95571	7440			55.7	11.4	1.2		744	
Wet Bulb	20571540	350430	52.53738	7440							744	
Dew Point	16595764	354460	47.63818	7440							744	

GLOBAL CLIMATOLOGY BRANCH
CSAFETAC
ATL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AK
STATION	STATION NAME

73-85

YEARS

ALL
MONTH

PAGE 1

0000-0000
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												
71 / 69								.1										1	1													
66 / 65						.1												1	1													
64 / 62		.1	.1	.3	.1	.1	.1											3	8													
62 / 61		.1		1.0	.4													14	14	1												
61 / 59		.4	2.4	1.3	.4													42	47	4	1											
55 / 57		3.0	4.2	2.4	1.0	.1												99	99	15	2											
52 / 55		6.5	6.8	3.8	.5													163	163	74	26											
54 / 53		5.0	7.0	2.2	.3													171	171	140	68											
52 / 51	.2	8.5	7.4	1.5	.1													156	156	186	122											
50 / 49	.0	8.8	5.3	1.1	.1													148	148	181	169											
48 / 47		3.7	2.3	1.2	.2													68	69	105	151											
46 / 45		1.9	.9	.3														29	30	71	148											
44 / 43		.6	1.0															15	17	50	97											
42 / 41		.3				.1												4	4	31	56											
40 / 39					.1													1	1	11	37											
38 / 37																					28											
36 / 35			.1															1	1	2	12											
34 / 33																					5											
32 / 31																				1	3											
26 / 25																					1											
24 / 23																					2											
TOTAL	1.0	43.4	27.4	14.3	3.5	.2	.2											524		974	524											

Element (X)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6153852	74846	81.0	9.940	924	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	2605170	49022	52.0	4.057	928			.1				92
Wet Bulb	2308727	46051	49.6	3.839	924		.1					93
Dew Point	2066482	43476	47.0	4.753	924		.6					93

2

PSYCHROMETRIC SUMMARY

73-82

YEARS

ALB
MONTH

PAGE 1 0000-05.1
HOURS (L. S. T.)

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 64

GLOBAL CLIMATOLOGY BRANCH
USFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712720
STATION

ELMENDORF AFB AK
STATION NAME

72-82

YEARS

ALC
MONTH

PAGE 1

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

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (Q1 A)

Form

JS AFETAC

PSYCHROMETRIC SUMMARY

700730 ELMENDORF AFB AM
STATION STATION NAME

7-67

YEARS

21
MONTH

PAGE 1

2500-1100
HOURS (L. S. T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

752720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
YEARS

AFC
MONTH

PAGE 1 1970-1980
HOURS (L. S. Y.)

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					
78/ 77								.2										4	4						
76/ 75							.1	.1										2	2						
74/ 73							.1	.2	.2									5	5						
72/ 71					.3	.5	.5	.2										18	18						
70/ 69					.5	1.1	1.1	1.2	.4									45	45						
68/ 67				.2	.6	2.8	3.2	.4	.1									59	59						
66/ 65				.6	1.1	4.5	1.7	.3	.1									102	102	4					
64/ 63		.1	.2	2.3	4.8	2.7	1.5	.8	.1									116	116	5					
62/ 61		.3	1.4	4.1	4.6	1.6	.6	.4										122	122	19	1				
60/ 59		.6	4.3	5.2	3.7	.8	.4	.1		.3								137	137	48	4				
58/ 57		1.2	4.8	3.9	2.7	.4	.5	.1										127	127	147	15				
56/ 55		1.7	4.9	3.0	1.1		.2	.1										103	103	235	37				
54/ 53		1.4	1.4	1.4	.3	.2		.1										45	45	165	95				
52/ 51		1.5	1.2	.2														27	27	157	156				
50/ 49		.6	.2															8	8	7	178				
48/ 47		.9	.1															9	9	43	100				
46/ 45		.1																1	1	19	55				
44/ 43																				5	70				
42/ 41																				2	46				
40/ 39																				1	16				
38/ 37																					21				
36/ 35																					8				
34/ 33																					7				
32/ 31																					8				
30/ 29																					1				
28/ 27																					7				
26/ 25																					1				
24/ 23																					1				
22/ 21																					1				
20/ 19																					1				
18/ 17																					1				
16/ 15																					1				
14/ 13																					1				
TOTAL		9.1	18.6	21.0	20.9	15.3	10.1	4.3	.8	.3								930	930	530	530				
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.	4007824		59552		64.0		14.46		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total						
Dry Bulb	3470248		56600		60.9		5.245		930				13.3	1.1					93						
Wet Bulb	2723017		50267		54.0		3.674		930										93						
Dew Point	2161372		44554		47.9		5.381		930			1.5							93						

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 ELMENDORF AFB AK
STATION STATION NAME

73-82

YEARS

ALG
MONTH

PAGE 1 150-1700
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					
75 / 75							.1	.1										2	7							
74 / 74							.2		.2									4	4							
73 / 73							.1	.2	.1									4	4							
72 / 72					.1	.2	.2	.4	.2									11	11							
71 / 71					.4	.3	.5	.8	.2	.2								23	23							
70 / 69					.1	1.5	2.2	1.0	.2	.1								47	47							
69 / 67			.1	.1	1.0	3.1	3.3	1.0										85	85	1						
68 / 65			.2	1.0	3.3	4.2	1.5	.2	.1									111	111							
67 / 63		.1	.2	2.5	5.5	1.8	1.1	.3	.2									109	109	6						
66 / 61			1.1	4.6	5.1	2.6	.5	.5		.1								141	141	22	1					
65 / 59		1.2	3.3	4.6	2.4	1.0			.1									117	117	53	5					
64 / 57		2.2	4.3	3.1	1.6	.5			.1									114	114	181	12					
63 / 55		2.0	4.5	3.1	.6	.5												101	101	232	41					
62 / 52		1.2	1.2	.5	.2													25	25	156	100					
61 / 51		1.5	.3	.1														16	16	151	145					
60 / 49		.5	.2	.1														8	8	69	154					
49 / 47		.3	.3															6	6	33	147					
48 / 45																				4	111					
44 / 43																				5	77					
42 / 41																					25					
40 / 39																					23					
38 / 37																					24					
36 / 35																					6					
34 / 33																					7					
32 / 31																					4					
30 / 29																										
28 / 21																					3					
26 / 15																					1					
18 / 17																					1					
16 / 15																					1					
TOTAL		5.0	15.8	19.8	21.4	16.2	10.4	5.2	1.5	.6								500	500	500	500					

Element (X)	Σx^1	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Ref. Hum.	1892512	58610	62.0	14.649	930							
Dry Bulb	1565785	57373	61.7	5.328	930			17.6	2.1			93
Wet Bulb	2774515	50685	54.5	2.621	930			.1				93
Dew Point	2189128	44850	48.2	5.311	930		1.2					93

GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB TX
STATION	STATION NAME

73-83

YEARS

213
MONTH

PAGE 1 1000-2000
HOURS (L. S. T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 ELMENTORF AFB AK STATION NAME

72-67

YEARS

ALL 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																
70 / 69																		2	2																		
69 / 67																		6	6																		
66 / 65				.1	.1	.1	.2											8	8																		
64 / 63				.2	.5	.2	.2	.2										24	24																		
62 / 61			.3	1.1	1.6	2.7	.4											43	53																		
61 / 59			.5	3.6	3.3	1.6	.4											51	51	13	5																
59 / 57			4.6	6.9	7.3	1.5	.5	.5										159	159	27	5																
57 / 55			8.1	8.0	3.0	1.0	.3	.1										150	150	12	3																
54 / 53		.1	5.5	7.0	1.8	.7	.2		.1									140	140	20	9	9															
52 / 51		.1	7.1	5.5	.5	.4	.1											125	125	17	15	15															
50 / 49		.2	4.9	1.9	.3	.1	.1											70	71	17	14	14															
46 / 47			1.4	1.1	.7													26	27	10	17	17															
44 / 45			1.4	.5	.1													19	19	4	10	10															
44 / 43			.2	.2														4	4	2	5	5															
41 / 41						.1												1	1	11	5	5															
40 / 39																																					
38 / 37																																					
36 / 35																																					
34 / 33																																					
32 / 31																																					
28 / 25																																					
24 / 23																																					
20 / 19																																					
TOTAL		4.34	4.36	7.15	5.2	2.4	3.3	1.0	.2									927	929	527	527																

Element (X)	Σ X'	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5732501	72039	77.7	12.036	927	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2836330	51196	55.1	4.278	925			.7				52
Wet Bulb	2460011	47633	51.4	3.665	927							52
Dew Point	2156052	44486	48.0	4.790	927		1.0					52

USAFETAC FORM 0-26-5 (OLAI) 0-26-5 (OLAI) 0-26-5 (OLAI)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AM
STATION	STATION

72-47

YEARS

213
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

AD-A134 208

ELMENDORF AFB ALASKA REVISED UNIFORM SUMMARY OF SURFACE

5/5

WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB 09 SEP 83

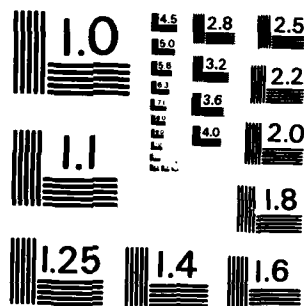
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

72-62

YEARS

MONTH

PAGE - ALL
HOURS (L. S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	.627	.529	.417	.811	.9	6.9	3.5	1.5	.4	.1									742?		742?	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

752720 ELMENCORF AFE AM

72-82

555

STATION

STATION NAME

YEARS

MONTH

PAGE 3

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 ELMENTOFF AFB AK
STATION STATION NAME

72-52

YEARS

SEP
MONTH

PAGE 1

C2CE-C5CC
MOUSE (L. S. T.)

[illegible]

2

1

YEARS

SEP
MONTH

PAGE 1

0600-0900
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
LS&FETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 ELMEADGEF AFB AK
STATION STATION NAME

72-62

YEARS

SEE
MONTH

PAGE 1 2955-1110
HOURS (L, S, T)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AK
STATION	STATION NAME

77-62

YEARS

SEP
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	CLMENDOFF AFB AR
STATION	STATION NAME

73-62

YEARS

SEP
MONTH

PAGE 1 1400-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

712700	ELMENDORF AFB AK
STATION	STATION NAME

72-82

YEARS

SEP
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

2

2

77-82

YEARS

SEE
MONTH

PAGE 1

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

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

MEMORANDUM

USAFETAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AK
STATION	STATION NAME

73-82

YEARS

SEP
MONTH

PAGE 1

211

HOURS (L. S. T.)

[illegible]

2

72-82

YEARS

MONTH

PAGE 1

FREE-LEAD
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712720
STATION

ELMENDORF AFB AK

73-80

YEARS

CCT
MONTH

PAGE -

FLCC-6200
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(OL A)

FORM

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7.4720	ELMENDORF AFB AK
STATION	STATION NAME

73-62

YEARS

CCJ
MONTH

PAGE 2 0200-000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700720	ELMENDORF AFB AK
STATION	STATION NAME

73-42

YEARS

CC 1
MONTH

PAGE 7 C 300-C 500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY SEARCH
LAFSTAC
AIR WEATHER SERVICE/MOC

PSYCHROMETRIC SUMMARY

700720 EL PASO AFB AM
STATION STATION NAME

73-82

YEARS

2.51
MONTH

PAGE 1

262-1555
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
54/ 52							.3											2	3					
55/ 51							.2											2	2					
56/ 49					.4													4	4					
48/ 47				.1	.2	.1												4	4					
46/ 45			1.5	.2	1.7													28	28					
44/ 43			.9	2.5	1.2	.1												43	43	5				
42/ 41		.5	2.3	1.9	1.1													54	54	40	7			
41/ 39		.5	3.9	2.9	.5													75	75	67	34			
38/ 37	1.1	4.1	1.9	.1														67	67	96	49			
36/ 35	1.6	6.8	2.5	.4														105	105	82	55			
34/ 33	1.6	6.5	2.7		.1													120	120	111	61			
32/ 31	2.5	11.6	3.1	.5	.7													164	164	154	133			
30/ 29	1.5	4.9	1.1															65	65	171	127			
28/ 27	.2	3.8	.7															38	38	85	62			
26/ 25	.2	2.9	.6															34	34	58	61			
24/ 23		1.4	.3															16	16	25	37			
22/ 21	.4	.8	.3															14	14	21	34			
20/ 19	.2	1.6	.4															21	21	12	51			
18/ 17		1.8																17	17	16	40			
16/ 15		1.6																17	17	18	18			
14/ 13	.1	.8																8	8	16	19			
12/ 11	.1	.3																4	4	7	10			
10/ 9	.3	.5																8	8	7	11			
8/ 7		.7																3	3	6	26			
6/ 5	.2																	2	2	3	7			
4/ 3	.1	.2																3	3	3	4			
2/ 1	.1	.2																2	3	2	6			
0/ -1	.1																	1	1	2				
-2/ -3		.2																2	2	2				
-4/ -5	.1	.4																5	5	4	1			
-6/ -7																				1	5			
-8/ -9																					5			
-16/ -17																					1			
-18/ -19																					1			
Element (X)	Σ x'	Σ x	X	σ _s	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

702720	ELMENDORF AFB AM
STATION	STATION NAME

73-42

YEARS

CC T
MONTH

三、四、五、六

CEFC-CECC
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

72-62

CCC

STATION

STATION NAME

YEARS

MỘT M

PAGE 1

CSLC-1110
HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
54/ 52									.2									2	2									
52/ 51						.1	.5	.1										7	7									
50/ 49					.2	.4	.2											8	8									
48/ 47				.5	1.5	.1	.3											25	25									
46/ 45		1.2	2.6	1.9	.4													57	57	3								
44/ 43		.1	1.3	2.9	2.2	.3												69	69	27	3							
42/ 41		.5	2.4	4.1	.8	.2												74	74	67	16							
40/ 39		.3	2.8	5.1	.8	.3												86	86	90	34							
38/ 37	1.6	4.8	3.7	1.2	.1													106	106	98	66							
36/ 35	.8	5.3	4.0	2.0	.1	.1												120	120	117	72							
34/ 33	.5	6.9	3.7	.4	.3													110	110	111	69							
32/ 31	.6	5.5	2.7	.8														93	93	114	146							
30/ 29	.9	3.9	1.0	.2														55	55	58	114							
28/ 27		1.1	.3	.2														16	16	52	72							
26/ 25		1.5	1.0															23	23	32	79							
24/ 23	.2	.3	.2															12	12	21	27							
22/ 21	.1	.9	.3															12	12	19	53							
20/ 19		1.3	.3															15	15	13	44							
18/ 17		.6																6	6	12	17							
16/ 15	.1	.2	.2															5	5	7	9							
14/ 13	.1	1.0																10	10	6	15							
12/ 11	.1	.1	.2															4	4	10	17							
10/ 9		.2																2	2		16							
8/ 7	.3	.5																8	8	7	13							
6/ 5		.3																2	2	6	7							
4/ 3		.2																2	2	2	5							
2/ 1																				1	1							
0/ -1																					4							
-2/ -3		.1																1	1	1								
-4/ -5																					4							
-6/ -7																					1							
-8/ -9																					2							
-10/ -11																					2							
-12/ -13																					2							
Element (X)	Σ X ¹	Σ X	X	X	X	No. Obs.	Mean No. of Hours with Temperature																					
Rel. Hum.							≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb																												
Wet Bulb																												
Dew Point																												

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
LEAFLET
AIR WEATHER SERVICE/MAC

2

7L272C	ELMENDORF AFB TX
STATION	STATION NAME

73-87

YEARS

CCT
MONTH

PAGE 2

0400-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-14/-15																					1	
-1/-17																					1	
TOTAL	6.3	44.3	33.1	12.4	2.9	1.0												930	930	930	930	

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AK
STATION	STATION NAME

73-82

YEARS

CCY
MONTH

PAGE 1 1215-1415
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-82

YEAR

5 OCT
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

JSAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

YEARS

72-42

CCI
MONTH

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

USAFETAC
FORM
JA 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

752720	ELMENDORF AFB AK
STATION	STATION NAME

73-63

YEARS

CCT
MONTH

PAGE 2 1570-1700
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
U.S. G.A.

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 ELMENORFF AFB AK
STATION STATION NAME

72-82

YEARS

CCJ
MONTH

PAGE 1 1655-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
ATL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

71272C	LLMENDOFF AFB AM
STATION	STATION NAME

72-47

YEARS

OCT
 MONTH

PAGE 1 2106-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
54/ 53			.1															1	1													
52/ 51						.2												2	2													
50/ 49				.2			.3											7	7	1												
48/ 47		.1	.6	.3	.4													14	14													
46/ 45			.8	2.2	.9	.6												40	40	7												
44/ 43	.1	1.6	1.8	1.2	.1													45	45	1												
42/ 41	.4	2.2	2.4	.9	.2													56	56	57												
40/ 39	1.2	5.3	1.8	.5	.7													65	65	62												
38/ 37	.8	6.0	2.4	1.6	.1													101	101	1.4												
36/ 35	.8	5.3	2.5	1.1	.3													92	92	82												
34/ 33	.4	1.4	3.5	.6														144	144	1.8												
32/ 31	1.3	9.0	2.7	.4	.5													130	130	150												
30/ 29	1.2	2.4	1.6	.1														45	45	110												
28/ 27	.4	2.3	.8	.4														36	36	53												
26/ 25		2.4	.7															25	25	45												
24/ 23		1.2	.2															13	13	26												
22/ 21	.1	1.1	.1															12	12	16												
20/ 19	.4	1.3	.8															23	23	15												
18/ 17	.1	.6	.2															9	9	13												
16/ 15		1.2	.2															13	13	12												
14/ 13	.1	.4																5	5	11												
12/ 11	.1	.3	.7															7	7	6												
10/ 9	.1	.1	.1															3	3	6												
8/ 7	.1	.3																4	4	3												
6/ 5	.1																	1	1	4												
4/ 3	.3	.2																5	5	5												
2/ 1	.1																	1	1	1												
0/ -1		.1																1	1	5												
-2/ -3		.1																1	1	2												
-4/ -5		.1																1	1	1												
-6/ -7																																
-14/-15																																
-16/-17																																
Element (X)	Σ x'	Σ x	̄x	σ _x	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total																
Dry Bulb																																
Wet Bulb																																
Dew Point																																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 ELMENDORF AFB TX
STATION STATION NAME

72-82

YEARS

MONTH

PAGE 2

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

[illegible]

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAF/CLC
ATTN: WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

702720	ELUENGEFF AFB AK
STATION	STATION

73-62

YEARS

CCY
MONTH

PAGE 1

ALL
MOMENTS (L.S.T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

700740
STATION

CLMENCEE AFB AR
STATION NAME

73-80

YEARS

001
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/-13																																			
14/-13																																			
11/-17																																			
12/-18																																			
11/-22																																			
TOTAL	7.45	7.26	9.12	0.4	1.0													744	744	744	744														

Element (X)	Z _g	Z _h	X	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	43473166	558378	75.114	511	744		246	7				744
Wet Bulb	557675	255421	34.9	8.446	744		2.5	353	1			744
Dew Point	6258121	253045	27.2	9.468	744	17	2	535	1			744

USAFETAC FORM 0205 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAVC

PSYCHROMETRIC SUMMARY

700720 ELMENDORF AFB AB

73-87

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

DECEMBER

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
50 / 55							.1											1	1																
54 / 53						.1												1	1																
46 / 47					.1	.1	.2											5	5																
41 / 45			.1	.2		.1												5	5																
44 / 43				.1														4	4																
42 / 41		.3	.6	.3														11	11																
40 / 39		.4	.1	.9	.2													17	17																
38 / 37		.2	.6	.3														14	14																
36 / 35			1.4	.6														13	13																
34 / 33		.3	2.8	.3														25	25																
32 / 31	1.2	4.7	.5															22	22																
30 / 29	.7	6.2	1.2															74	74																
28 / 27	.7	5.8	.5	.3														65	65																
26 / 25	.8	4.7	.7															49	49																
24 / 23	1.4	4.1	.7															56	56																
22 / 21	2.9	3.0	.2															65	65																
20 / 19	3.6	5.2	.1															62	62																
18 / 17	3.1	7.7	.2															64	64																
16 / 15	1.2	1.1	.1															40	40																
14 / 13	1.1	7.1	.2															41	41																
12 / 11	1.8	7.2																34	34																
10 / 9	.7	2.3																27	27																
8 / 7	1.1	1.9																27	27																
6 / 5	.8	1.3																15	15																
4 / 3	1.6	1.3																26	26																
2 / 1	1.5	1.4																27	27																
0 / -1	1.6	.1																17	17																
-2 / -3	1.1	.8																17	17																
-4 / -5	.4	.2																6	6																
-6 / -7	.0																	5	5																
-8 / -9	.0																	5	5																
-10 / -11																																			
-12 / -13																																			
-14 / -15																																			
Element (X)	Σ X	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

15

73-52

YEARS

AC 4
MONTH

PAGE - 200-226
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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
-17/-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

FORM
SAC 64

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720 CLMFC00F AFE AF

73-82

STATION

STATION NAME

YEARS

ACU

MONTH

PAGE 1

0300-0500

HOURS (L. S. Y.)

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						
47 / 47					.1													1			1					
46 / 46			.1	.1	.2	.2	.1											5			5					
44 / 43			.6	.6	.7	.7												8			8					
42 / 41	.3	.3	.7	.7	.1													16	16	12	3					
40 / 39	.7		.8															12	12	10	12					
38 / 37	.1	.9	1.2															21	21	17						
36 / 35		1.4	.6															18	18	15						
34 / 32	.3	2.6	.1															27	27	21	12					
32 / 31	.5	4.4	1.1	.1														59	59	30	55					
30 / 29	1.1	7.2	1.2	.2														57	57	30	49					
28 / 27	1.2	5.8	.2	.2														66	66	35	21					
26 / 25	.7	6.8	.7	.2														75	75	51	46					
24 / 23	1.1	7.6	.1															42	42	34	42					
22 / 21	2.4	2.6	.1															46	46	35	77					
20 / 19	2.2	5.5																72	72	62	66					
18 / 17	2.0	5.1																64	64	71	42					
16 / 15	1.4	3.5																48	48	46	67					
14 / 13	.9	3.9	.1															44	44	34	57					
12 / 11	1.7	2.1	.1															25	25	48	31					
10 / 9	1.4	1.6																27	27	36	27					
8 / 7	.6	1.4																18	18	15	25					
6 / 5	1.0	1.1																19	19	23	22					
4 / 3	1.2	2.3																29	29	16	24					
2 / 1	1.8	1.9																22	22	42	33					
0 / -1	1.1																	10	10	15	21					
-2 / -2	.2	.1																9	9	8	20					
-4 / -5	.9	.4																12	12	9	24					
-6 / -7	1.1																	10	10	14	12					
-8 / -9	.4																	4	4	4	11					
-10 / -11	.3																	3	3	3	15					
-12 / -13	.1																	1	1	1	3					
-14 / -15																										
-16 / -17																										
-18 / -19																										
Element (X)	Σ X ²		Σ X		X		X ²		No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

USAFETAC

PSYCHROMETRIC SUMMARY

72-42

YEARS

15 MONTH

PAGE

~~SECRET-CELL~~
NOV 19 11 30 AM '61

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

700720 ELMINORF AFB AM
STATION STATION NAME

73-85

YEARS

NOV

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				
47 / 47					.1	.1												2	2						
46 / 46				.2	.3	.2												7	7						
44 / 43		.6	.1	.1														7	7						
42 / 41	.2	.7	.6	.2														15	15	5					
40 / 39	.6	.2	.9															14	15	16	13				
38 / 37		.1	.4															5	5	10	4				
36 / 35		2.0	1.1	.1														29	29	16	2				
34 / 33	.3	2.8	.9	.1														37	37	22	10				
32 / 31	1.6	4.0	.7	.1														57	57	40	49				
30 / 29	1.3	3.0	1.1	.1														50	50	60	45				
28 / 27	1.0	5.5	.9	.2														67	67	51	24				
26 / 25	1.1	6.0	.7	.1														68	68	56	37				
24 / 23	1.1	2.9																36	36	61	42				
22 / 21	2.4	3.1	.4															54	54	52	75				
20 / 19	1.5	7.7	.7															59	55	50	75				
18 / 17	2.0	3.9																53	53	62	47				
16 / 15	1.3	3.7																45	45	52	71				
14 / 13	1.7	2.1																34	34	37	58				
12 / 11	5.1	1.9																36	36	36	57				
10 / 9	1.1	2.0																26	26	30	21				
8 / 7	.6	3.4																29	29	27	12				
6 / 5	.5	1.1																18	18	27	16				
4 / 3	1.1	1.3																22	22	20	25				
2 / 1	1.3	.9																24	24	26	34				
0 / -1	2.7	.1																19	19	21	29				
-2 / -2	1.1	.2																12	12	13	11				
-4 / -3	1.7	.3																18	18	16	22				
-6 / -7	.9																	8	8	10	19				
-8 / -9	.4																	4	4	4	10				
-10 / -11	.1																	1	1	1	9				
-12 / -13	.1																	1	1	1	10				
-14 / -15																					11				
-16 / -17																					6				
-18 / -19																					5				
Element (X)	Z _X	Z _Y	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

73-43

YEARS

AC
MONTH

PAGE 7

CELL-CELL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

702700 ELLENDORF AFB AK

72-87

NOV
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																																																						
42 / 47																		2	2																																																								
46 / 42					.4	.1												7	7																																																								
46 / 43			.1	.2	.4	.7												10	10																																																								
42 / 41	.4	.3	.3	.7														16	16	13																																																							
46 / 39	.4	.2	.6	.1	.2													14	14	9	13																																																						
38 / 37		.7	1.2	.3	.1													21	21	13	4																																																						
36 / 35		2.6	.7	.2														31	31	24																																																							
34 / 33	.7	3.3	.7	.4														46	46	30	1																																																						
32 / 31	.6	3.6	1.4	.1														53	53	33	56																																																						
31 / 29	1.2	4.1	.6															53	53	67	41																																																						
28 / 27	1.4	7.3	.3	.3														65	65	66	25																																																						
26 / 25	.2	5.9	.7	.2														64	64	81	35																																																						
24 / 23	1.1	4.0	.1															46	46	73	44																																																						
22 / 21	2.0	4.6	.3															62	62	64	85																																																						
20 / 19	2.2	5.3	.4															72	72	61	90																																																						
18 / 17	3.0	3.7	.1															61	61	63	53																																																						
16 / 15	1.6	3.6	.1															44	44	45	67																																																						
14 / 13	1.1	2.8	.2															40	40	42	51																																																						
12 / 11	.4	1.6																21	21	30	56																																																						
10 / 9	1.1	2.2																21	21	33	31																																																						
8 / 7	.7	2.8																11	11	22	25																																																						
6 / 5	.3	.7																14	14	25	21																																																						
4 / 3	1.1	1.7																17	17	22	24																																																						
2 / 1	1.2	1.2																22	22	24	35																																																						
0 / -1	1.3																	12	12	19	16																																																						
-2 / -3	.6																	5	5	5	20																																																						
-4 / -5	.2	.1																3	3	3	17																																																						
-6 / -7	.4																	4	4	4	14																																																						
-8 / -9	.3																	3	3	3	7																																																						
-10 / -11																					4																																																						
-12 / -13																						12																																																					
-14 / -15																						6																																																					
-16 / -17																						4																																																					
Element (X)	Σ X ²					Σ X					Σ					Σ ²					No. Obs.					Mean No. of Hours with Temperature					Total																																												
Rel. Hum.																										≤ 0 F					≤ 32 F					= 67 F					= 73 F					= 80 F					= 93 F					Total																			
Dry Bulb																																																																											
Wet Bulb																																																																											
Dew Point																																																																											

FORM 0-76-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

15 MONTH

PAGE - 120-110
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAAL

PSYCHROMETRIC SUMMARY

7-27-60 ELMENDORF AFB TX

73-60

NCV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1276-1400
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
41 / 47			.1	.1	.7													8		8															
42 / 46			.2	.1														3		3															
44 / 42		.2	.1	.4	.2													10		10															
42 / 41	.2	.2	.3	.6	.1													14		14															
40 / 39	.4		.9	.2	.7													17		17															
38 / 37	.1	1.6	1.1	.6														30		30															
36 / 35		2.4	1.0	.6														16		16															
34 / 33	.4	4.0	1.3	.2														54		54															
32 / 31	.5	4.8	2.7	.7														79		79															
30 / 29	1.0	6.2	2.7	.1														90		90															
28 / 27	.6	5.9	.9	.1	.3													69		69															
26 / 25	.6	7.3	1.1															41		41															
24 / 23	.4	3.7	.6															42		42															
22 / 21	1.6	3.8	.9															56		56															
20 / 19	2.3	5.0	1.2															70		70															
18 / 17	.8	3.2	.4															40		40															
16 / 15	.0	3.4																38		38															
14 / 13	1.3	2.9																28		28															
12 / 11	1.2	2.9																37		37															
10 / 9	1.1	1.7	.2															28		28															
8 / 7	.9	1.0	.1															15		15															
6 / 5	.4	1.0																13		13															
4 / 3	.1	1.0																10		10															
2 / 1	.1	.2																2		2															
1 / -1	.1																	1		1															
-2 / -3																																			
-4 / -5																																			
-6 / -7																																			
-8 / -9																																			
-10 / -11																																			
-12 / -13																																			
-14 / -15																																			
TOTAL	16.662	6.615	.9	3.3	1.7													900		900															
Element (X)	Σx^1	Σx^2	Σx^3	Σx^4	No. Obs.	Mean No. of Hours with Temperature										Total																			
Rel. Hum.	5376785	68623	76.2	12.675	900	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb	620749	22067	24.5	5.357	900	.1	72.8					90																							
Wet Bulb	538534	20574	22.5	8.736	900	.7	78.5					90																							
Dew Point	375748	16019	17.8	10.040	900	5.7	86.5					90																							

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 34-44

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700720 ELMENDORF AFB AM
STATION STATION NAME

73-87

YEARS

ACV
MONTH

F 4 3 7 1

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	ELMENDOFF AFB AR
STATION	STATION NAME

73-82

YEARS

NOV
MONTH

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

[illegible]

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MPC

PSYCHROMETRIC SUMMARY

700720 ELMENTORF AFB AK 72-00 MONTH 1970-0000
STATION STATION NAME YEARS

PAGE 1 1870-0000
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															
51 / 51					.1														1	1															
50 / 49						.1													1	1															
49 / 47						.2													2	2															
48 / 46				.1	.1	.1													3	3															
47 / 43			.1	.1	.2														4	4	1														
46 / 41		.2	.3	.4	.5	.1													15	15	2	2													
45 / 39		.3	.4	.5	.6	.4	.1												15	15	13	7													
44 / 37		.2	.4	.4	.4	.4													14	14	13	7													
43 / 35		.2	.4	.4	.4	.1													25	25	19	1													
42 / 33		.3	.4	.4	.4	.1													25	25	19	1													
41 / 31		.7	7.0	1.6	.1														84	84	43	41													
40 / 29		1.7	5.2	.8															65	65	27	40													
39 / 27		1.4	4.8	.4	.4														64	64	71	41													
38 / 25		.3	5.0	.4															52	52	55	67													
37 / 23		.6	4.6																41	46	64	37													
36 / 21		3.4	3.4	.7															52	62	71	61													
35 / 19		2.4	4.7	.2															66	66	62	88													
34 / 17		1.1	4.2																46	48	62	64													
33 / 15		.9	3.8	.3															45	45	50	47													
32 / 13		.8	2.3																28	28	28	52													
31 / 11		1.3	2.6																35	35	35	44													
30 / 9		.8	3.0																34	34	34	34													
29 / 7		1.0	1.6	.1															24	24	71	29													
28 / 5		1.3	2.4																34	34	34	12													
27 / 3		1.3	1.3																24	24	20	34													
26 / 1		1.3	2.2																32	32	34	37													
25 / -1		1.1																	11	10	15	20													
-2 / -3		.8	.2																9	5	8	24													
-4 / -5		.8																	7	7	0	22													
-6 / -7		.2																	2	2	2	14													
-8 / -9																						5													
-11 / -11																						8													
-12 / -12																						8													
-14 / -15																						3													
Element (X)	Σ X²		Σ X		X̄		σ²		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 24 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

702720	ELMENDORF AFB AK
STATION	STATION NAME

77-67

YEARS

MONTH

5400

1200-2000
HOURS L. S. T. I

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
C. BELTAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

744720 CLMAGOLF AFB AL
STATION STATION NAME

- 2 -

YEARS

12 MONTH

PAGE 1 2100-231
HOURS 11-5-1

[illegible]

CLIMATOCLOGY BRANCH
CLIMATAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

752720	EL MONCERF	AFB AL
STATION		STATION

73-47

ACU

STATION

STATION NAME

YEARS

MONTH

TABLE 1

7100-2715

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

1000

USAFETAC

2

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700700 ELMENTOFF AFB AK

73-87

YEARS

MONTH

PAGE 1

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														
55/ 55																		1	1																
54/ 52																		2	2																
53/ 51																		3	3																
52/ 49																		4	4																
51/ 47					.1	.1	.2	.1										5	5																
50/ 45			.1	.2	.2	.2	.1											6	6																
49/ 43		.3	.1	.3	.1													5	5																
48/ 41	.3	.4	.4	.2	.1													10	10																
47/ 39	.3	.2	.7	.2	.1													11	11																
46/ 37	.1	.2	.2	.2														12	12																
45/ 35	.1	2.1	.3	.2														22	22																
44/ 33	.6	2.9	.7	.1														31	31																
43/ 31	.5	5.1	1.3	.2														54	54																
42/ 29	1.2	5.0	1.2	.1														54	54																
41/ 27	1.0	5.8	.6	.2														54	54																
40/ 25	.6	5.8	.7	.1														54	54																
39/ 23	.9	3.9	.2															35	35																
38/ 21	2.5	3.5	.4															46	46																
37/ 19	2.9	5.4	.4															62	62																
36/ 17	1.7	3.6	.2															52	52																
35/ 15	1.1	3.5	.1															33	33																
34/ 13	1.2	2.9	.1															30	30																
33/ 11	1.6	2.3	.1															28	28																
32/ 9	1.0	2.2	.1															23	23																
31/ 7	.8	1.9	.1															19	19																
30/ 5	.6	1.2																14	14																
29/ 3	1.1	1.6																15	15																
28/ 1	1.3	1.2																17	17																
27/ -1	1.2	.1																9	9																
26/ -3	.7	.2																6	6																
25/ -5	.6	.2																5	5																
24/ -7	.4																	3	3																
23/ -9	.3																	1	1																
22/ -11	.1																	4	4																
Element (X)	Σ X'	Σ X	X	Σ ₂	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 026-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB TX
STATION	STATION NAME

73-83

YEARS

NOV
MONTH

5215

211

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/-13		.0																						
-10/-15																								
-17/-17																								
-17/-17																								
-17/-21																								
TOTAL	25.66	2.1	5.7	2.0	.0	.2													71.59		71.5			

Element (X)	Σ X'	Σ X	X	-	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	45446174	565918	78.6	11.506	7159	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	4233520	155768	21.6	11.759	7159	26.6	616.2					720
Wet Bulb	3758211	146151	20.7	10.471	7158	30.1	642.2					720
Dew Point	2776593	113309	15.7	11.746	7158	86.7	689.9					720

FORM 0.26-5 (OL A)
JUL 64

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHERS SERVICE/AFAC

PSYCHROMETRIC SUMMARY

702745 ELMENTREE AFB AL

72-85

YEARS

CFC
MONTH

PAGE 1

0000-0000
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/ 47									.1																									1	1		
46/ 45								.1																									1	1			
44/ 43						.1	.2																										3	2			
42/ 41						.1	.2	.1																									4	4			
40/ 39				.4	.1																												5	5	1		
38/ 37	.2	.1		.1																													6	6	1		
36/ 35			.9		.1	.8																											14	14	11	2	
34/ 33			.8	.2	.6																												14	14	14	2	
32/ 31	.1	2.9	.4	.1																													13	22	17	11	
30/ 29	.4	2.8	.5																														22	32	32	15	
28/ 27	.9	2.1	.2																														24	39	41	25	
26/ 25	.2	4.5	.5																														51	51	44	35	
24/ 23	.3	4.7	.2																														53	53	55	46	
22/ 21	4.2	4.2		.1																													75	75	66	47	
20/ 19	4.1	3.1																															67	67	76	74	
18/ 17	1.7	3.0	.1																														45	45	45	55	
16/ 15	2.0	3.8	.1																														55	55	44	62	
14/ 13	1.2	3.0																															35	35	45	45	
12/ 11	1.4	1.9																															31	31	32	46	
10/ 9	1.0	2.5	.1																														27	27	31	44	
8/ 7	1.0	3.8																															44	44	44	29	
6/ 5	1.5	.6																															27	27	41	23	
4/ 3	1.1	1.6																															25	25	12	23	
2/ 1	1.6	1.0																															43	43	25	61	
0/ -1	2.2	.4																															24	24	32	31	
-2/ -3	2.5	.4																															31	31	34	26	
-4/ -5	1.8	1.2																															28	28	16	24	
-6/ -7	2.6																																24	24	35	16	
-8/ -9	2.4																																22	22	22	21	
-10/ -11	2.5																																23	23	23	30	
-12/ -13	.5																																5	5	5	17	
-14/ -15	1.2																																11	11	11	15	
-16/ -17	.8																																7	7	7	17	
-18/ -19	.2																																2	2	2	26	
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total																				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AFAC 84

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700720 ELMECHAF AFB AK
STATION STATION NAME

73-62

YEARS

000
MONTH

PAGE 1 7000-0000
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
-20/-21	.6																	5	6	6	16
-22/-23	.2																	2	2	2	18
-24/-25	.1																	1	1	1	5
-26/-27																					10
-28/-29	.1																	1	1	1	5
-30/-31																					2
-32/-33																					1
-34/-35																					7
-36/-37																					2
TOTAL	41.4	52.7	3.5	1.6	.6	.1												930	920	920	930

Element (X)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	5326728	69156	74.4	14.70	930							930
Dry Bulb	346279	12537	13.5	13.814	930	18.7	88.0					930
Wet Bulb	307559	11649	12.5	13.193	930	19.9	89.8					930
Dew Point	269045	6109	6.6	15.697	930	27.9	92.5					930

FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

CENTRAL CLIMATOLOGY BRANCH
 WASHINGTON
 AIRCRAFT ENGINEERING

PSYCHROMETRIC SUMMARY

7 12 1952
 STATION NAME

12-52

YEARS

MONTH

DATE-DEPT
 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					
40/ 43						.1	.7																									4	4				
42/ 41						.2																										2	2				
40/ 39						.2	.1	.1																								6	6				
38/ 37		.1	.2	.2				.1																								7	7				
36/ 35		.2	.3	.3																												11	11				
34/ 33			.1	.1	1.1																											15	15				
32/ 31		.2	2.4	1.2																												25	25		7		
30/ 29		.3	1.5	.4																												24	24		11		
28/ 27		1.5	2.4	.4																												27	27		24		
26/ 25		.6	2.6	.6																												24	24		25		
24/ 23		1.7	2.4	.2																												43	43		21		
22/ 21		2.1	4.5	.2																												23	23		42		
20/ 19		1.4	4.2	.1																												51	51		73		
18/ 17		1.2	3.1	.1																												44	44		72		
16/ 15		1.4	4.1																													51	51		64		
14/ 13		1.4	2.6	.1																												26	26		42		
12/ 11		1.3	2.6																													24	24		32		
10/ 9		1.1	2.1	.1																												40	40		49		
8/ 7		1.5	1.6																													23	23		46		
6/ 5		1.4	1.1																													23	23		23		
4/ 3		1.7	1.8																													26	26		27		
2/ 1		2.3	2.5																													47	47		25		
0/ -1		1.5	.5																													23	23		20		
-2/ -3		2.2	.2																													23	23		27		
-4/ -5		1.5	.5																													16	16		25		
-6/ -7		1.5																														28	28		26		
-8/ -9		1.1																														29	29		26		
-10/ -11		2.5																														23	23		15		
-12/ -13		.8																														7	7		13		
-14/ -15		.5																														7	7		14		
-16/ -17		.5																														5	5		12		
-18/ -19		.5																														5	5		10		
-20/ -21		.5																														5	5		26		
-22/ -23		.6																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
COMETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700720 LMENCOFF AFB AN
STATION STATION

72-47

YEARS

LFC
MONTH

FAF-2

0206-0500
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		
-14/-25	.1																	1	1	1	1		
-13/-27																					1		
-12/-29																							
-11/-31																							
-10/-33																							
-9/-35																							
-8/-37																							
TOTAL	40.95	2.4	5.6	.5	.5	.1												930	930	930	930		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700725 ELMENDOFF AFB AK
STATION STATION NAME

77-87

YEARS

MONTH

PAGE 1 FACE-LESS
HOURS (L, S, T.)

[illegible]

702700	LLMENDORF AFB TX
STATION	STATION NAME

12-4-

YEARS

550
MONTH

PAGE 2 7611-0801
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-70/-23	.3																	E	S		32		
-24/-25	.1																	1	1	1	0		
-26/-27																							
-28/-29																					1		
-70/-31																					0		
-72/-32																					4		
-74/-33																					0		
-76/-37																					1		
TOTAL	41.7	52.5	E.O.	.4	.4														929	929	929		

2

PSYCHROMETRIC SUMMARY

73-82

YEARS

MONTH

PAGE 1 CONFIDENTIAL
HOURS (L - S - T)

[illegible]

0-26.5 (OL A) 00-1150 PREVIOUS EDITIONS OF THIS MANUAL OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720	LLMEOCCSF AFP AW
STATION	STATION NAME

72-43

YEARS

250
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
-20/-22		4																4	4	4	0					
-14/-26																					10					
-16/-27																					0					
-20/-29																					0					
-20/-31																					4					
-12/-33																					2					
-20/-35																					0					
-20/-37																					1					
TOTAL	40.8	51.9	6.3		0.6	0.7												930	930	930						

Element (X)	Σ X'	Σ X	X	°X	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	5437152	70060	75.3	11.463	930	≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≤ 93 F		
Dry Bulb	337384	12552	13.6	13.447	930	18.6	89.0					93	
Wet Bulb	300944	11686	12.6	12.879	930	19.3	90.5					93	
Dew Point	258311	6797	6.9	15.188	930	28.6	92.5					93	

PSYCHROMETRIC SUMMARY

700720 ELPENDORF AFB AM
STATION STATION NAME

73-63

YEARS

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PAGE 2 100-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
UNAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712720	ELMENDORF AFB AK
STATION	STATION NAME

73-87

YEARS

DEC
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/-21																							11													
-22/-23																							8													
-24/-25																							4													
-26/-27																							1													
TOTAL	31.557.9	8.6	1.0	1.0															927	925		927														

GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702750 LLNFACTF AFB AK
STATION STATION NAME

7-1-83

YEARS

270
MONTH

PAGE 1 15C-17C
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AF WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

702720	ELMENDORF AFB AM
STATION	STATION NAME

72-62

YEARS

CCC
MONTH

PAGE 15-17.1
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/-21																			1	1	1	14	
-22/-22	.1																	1	1	1	17		
-23/-23																					5		
-24/-24																					5		
-25/-25																					1		
-26/-26																					1		
-27/-27																					1		
-28/-28																					1		
-29/-29																					1		
-30/-30																					1		
-31/-31																					1		
-32/-32																					1		
-33/-33																					1		
-34/-34																					1		
-35/-35																					1		
TOTAL	34.7	56.4	7.0	1.7	.4	.1												927	927	927	927		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-2725 CLPENCEGE LEE AK
STATION STATION NAME

71-87

YEARS

DEC
MONTH

PAGE 1 16-1-216
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												
45 / 47							.2											2	2													
44 / 43						.2												2	2													
42 / 41				.2														2	2													
41 / 39		.1	.2	.1	.1													7	7	2												
38 / 37			.2	.5	.2													12	12	3												
36 / 35	.1	.6	.2	.1														10	10	13												
34 / 33	.1	1.3	.8															20	20	16												
32 / 31	.1	2.2	.4															25	25	11												
29 / 29	1.0	2.6	1.2															44	44	23												
28 / 27	1.0	3.1	.3															41	41	13												
26 / 25	.8	1.8	.4															46	46	21												
24 / 23	1.2	3.0	.2															47	46	52												
22 / 21	1.1	4.2																68	69	47												
20 / 19	1.8	5.1	.1															67	67	63												
19 / 17	1.5	5.1	.1															62	62	57												
18 / 15	1.2	4.2																58	58	54												
14 / 12	1.2	4.2	.1															51	51	65												
12 / 11	1.4	2.5	.2															36	38	51												
10 / 9	1.2	2.4	.3															36	36	44												
8 / 7	.5	2.6																32	32	48												
6 / 5	.6	1.2																17	17	39												
4 / 3	1.7	1.5																30	30	30												
2 / 1	2.1	2.4																41	41	29												
0 / -1	1.8	.6																23	23	25												
-2 / -3	1.7	1.1																26	26	14												
-4 / -5	2.6	.2																27	27	17												
-6 / -7	2.2																	20	20	11												
-8 / -9	2.4																	22	22	16												
-10 / -11	1.2																	11	11	27												
-12 / -12	.5																	5	5	11												
-14 / -15	1.3																	12	12	27												
-16 / -17	1.2																	11	11	21												
-18 / -19	.8																	7	7	15												
-20 / -21	.2																	2	2	11												
Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																				
Dry Bulb																																
Wet Bulb																																
Dew Point																																

GLOBAL CLIMATOLOGY BRANCH
USFSLTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702720
STATION

ELMENCOFF AFB AR
STATION NAME

73-82

YEARS

250
MONTH

PAGE 7 1600-2000
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	
-22/-22	.2																	2	2	2	11	
-24/-25																					12	
-26/-27																					5	
-28/-29																					4	
-30/-31																					9	
-32/-33																					8	
-34/-35																					5	
TOTAL	38.4	54.6	5.7	.6	.2	.2												926	927	926	926	

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

701700 ELMENTOFF AFB AM
STATION STATION NAME

73-82

YEARS

DEC
MONTH

PAGE 1 2100-2100
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							
46 / 47						.1														1	1						
46 / 46					.1															1	1						
44 / 43					.1	.2														2	2						
42 / 41				.5																5	5						
40 / 39	.1		.2	.1	.2															6	6						
38 / 37	.1	.4	.4																	5	5		1				
36 / 35		.6	.2	.2																10	10	14	1				
34 / 33		1.1	.9	.2																20	20	14	1				
32 / 31		1.5	.4	.2																20	20	16	1				
30 / 29	1.3	1.0	1.5																	39	39	26	2				
28 / 27	.9	3.2	.6	.1																45	45	32	3				
26 / 25	1.1	4.7	.4																	51	51	37	2				
24 / 23	1.4	1.9	.2																	33	33	44	1				
22 / 21	4.1	3.2																		68	68	72	3				
20 / 19	3.5	6.0																		88	88	70	3				
18 / 17	1.5	4.5																		56	56	61	2				
16 / 15	1.4	4.3																		53	53	56	6				
14 / 13	1.1	2.4																		32	32	35	5				
12 / 11	1.3	2.5	.1																	36	36	34	5				
10 / 9	.9	2.6	.3																	35	35	31	4				
8 / 7	1.0	3.2																		39	39	42	3				
6 / 5	1.2	1.4																		24	24	4	2				
4 / 3	1.2	1.9																		29	29	26	3				
2 / 1	1.6	1.6																		42	42	26	4				
0 / -1	2.4	.8																		39	29	36	2				
-2 / -3	1.5	.9																		25	25	26	2				
-4 / -5	1.8	.5																		22	22	14	1				
-6 / -7	1.8																			17	17	22	1				
-8 / -9	2.0																			28	28	26	2				
-10 / -11	1.2																			16	16	16	2				
-12 / -13	.5																			7	7	7	1				
-14 / -15	1.3																			12	12	12	2				
-16 / -17	.8																			7	7	7	2				
-18 / -19	.6																			6	6	6	1				
Element (X)	Σ X																				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 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
NOV 64

USAFETAC

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

721700
STATIONELMENDORF AFB AK
STATION NAME

73-87

YEARS

DEC
MONTH

PAGE 1

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

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				
-20/-21	.1																	1	1	1	13			
-21/-22	.2																	2	2	2	18			
-22/-23	.3																	3	3	3	12			
-23/-24	.4																				6			
-24/-25	.5																				5			
-25/-26	.6																				4			
-26/-27	.7																				7			
-27/-28	.8																				1			
-28/-29	.9																				1			
TOTAL	40.3	51.7	5.8	1.4	.4	.7												927	927	927	927			

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	5307861	68943	74.4	13.958	927							
Dry Bulb	343216	12546	13.5	13.709	927	17.7	67.5					92
Wet Bulb	304655	11641	12.6	13.783	927	19.3	89.7					92
Dew Point	267051	6153	6.6	15.630	927	27.7	92.4					92

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

72-82

YEARS

MONTH

PAGE 1

ALL
HOURS 11. 5. 7.

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0-26-5 (QLA)

USAFETAC

2

YEARS

73-82

CCC
MONTH

PAGE 2

ALL
HOURS (L.S.)

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702725 ELWENDOFF AFB AK

73-63

YEARS

ALL 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
84/ 83																																	1	1		
82/ 81																																	8	8		
80/ 79																																	8	8		
78/ 77																																	16	16		
76/ 75																																	43	43		
74/ 73																																	89	89		
72/ 71																																	173	173		
70/ 69																																	362	362		
68/ 67																																	539	539		
66/ 65																																	875	875		12
64/ 63																																	1298	1298		32
62/ 61																																	1889	1889		139
60/ 59																																	2420	2420		26
58/ 57																																	3176	3176		28
56/ 55																																	4343	4343		359
54/ 53																																	4151	4151		1178
52/ 51																																	3982	3984		2317
50/ 49																																	3545	3547		2619
48/ 47																																	3408	3411		4032
46/ 45																																	3077	3079		2655
44/ 43																																	2700	2703		3718
42/ 41																																	2736	2737		3615
40/ 39																																	2654	2656		3253
38/ 37																																	2614	2614		2929
36/ 35																																	3298	3298		2767
34/ 33																																	3562	3562		2963
32/ 31																																	4473	4473		5000
30/ 29																																	3068	3068		4030
28/ 27																																	2869	2869		3712
26/ 25																																	2744	2744		3852
24/ 23																																	1776	1776		2545
22/ 21																																	2335	2340		2826
20/ 19																																	2670	2670		4237
18/ 17																																	1850	1850		2777
Element (X)	Σ X ¹					Σ X					Σ					Σ _s					No. Obs.					Mean No. of Hours with Temperature										
Rel. Hum.																										± 0 F					± 32 F					
Dry Bulb																										± 67 F					± 73 F					
Wet Bulb																										± 80 F					± 92 F					
Dew Point																																				

GLOBAL CLIMATOLOGY BRANCH
USFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712720	ELMENDORF AFB AM
STATION	STATION NAME

73-82

YEARS

ALL
MONTH

PAGE 2 ALL

HOURS (L, S, T,)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7 0720 ELMENDORF AFB AK

73-82

STATION

STATION NAME

YEARS

HRS. LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN 14.4 S D 15.61213.57310.026 TOTAL OBS 930	MEAN 15.1 S D 15.57310.026 TOTAL OBS 846	MEAN 23.0 S D 5.236 4.459 TOTAL OBS 930	MEAN 32.1 S D 5.236 4.459 TOTAL OBS 900	MEAN 42.3 S D 4.459 3.874 TOTAL OBS 929	MEAN 50.0 S D 3.874 3.599 TOTAL OBS 900	MEAN 54.3 S D 3.599 4.097 TOTAL OBS 930	MEAN 52.8 S D 4.097 5.455 TOTAL OBS 928	MEAN 45.6 S D 5.455 8.20111.44913.814 TOTAL OBS 900	MEAN 33.4 S D 8.20111.44913.814 TOTAL OBS 930	MEAN 20.6 S D 11.44913.814 TOTAL OBS 900	MEAN 13.5 S D 13.814 TOTAL OBS 930	MEAN 33.2 S D 17.612 TOTAL OBS 10953
0-05	MEAN 14.3 S D 15.59413.89110.726 TOTAL OBS 930	MEAN 14.2 S D 15.59413.89110.726 TOTAL OBS 846	MEAN 21.6 S D 10.726 5.770 TOTAL OBS 930	MEAN 30.5 S D 5.770 4.375 TOTAL OBS 900	MEAN 40.6 S D 4.375 3.877 TOTAL OBS 930	MEAN 48.9 S D 3.877 3.362 TOTAL OBS 900	MEAN 53.1 S D 3.362 4.266 TOTAL OBS 930	MEAN 51.1 S D 4.266 5.741 TOTAL OBS 899	MEAN 44.4 S D 5.741 8.56511.70013.858 TOTAL OBS 930	MEAN 32.7 S D 8.56511.70013.858 TOTAL OBS 930	MEAN 20.3 S D 11.70013.858 TOTAL OBS 900	MEAN 13.2 S D 13.858 TOTAL OBS 930	MEAN 32.2 S D 17.391 TOTAL OBS 10955
05-10	MEAN 14.1 S D 15.44614.07010.783 TOTAL OBS 930	MEAN 13.9 S D 15.44614.07010.783 TOTAL OBS 846	MEAN 21.5 S D 10.783 6.121 TOTAL OBS 930	MEAN 32.3 S D 6.121 4.466 TOTAL OBS 900	MEAN 44.2 S D 4.466 4.189 TOTAL OBS 930	MEAN 51.9 S D 4.189 3.859 TOTAL OBS 900	MEAN 55.6 S D 3.859 3.994 TOTAL OBS 930	MEAN 53.2 S D 3.994 5.729 TOTAL OBS 930	MEAN 45.2 S D 5.729 8.76311.68913.776 TOTAL OBS 900	MEAN 32.4 S D 8.76311.68913.776 TOTAL OBS 930	MEAN 20.2 S D 11.68913.776 TOTAL OBS 900	MEAN 13.0 S D 13.776 TOTAL OBS 930	MEAN 33.2 S D 18.397 TOTAL OBS 10956
10-11	MEAN 14.9 S D 15.05712.632 TOTAL OBS 930	MEAN 17.1 S D 15.05712.632 TOTAL OBS 846	MEAN 26.0 S D 8.782 6.154 TOTAL OBS 930	MEAN 37.2 S D 6.154 4.807 TOTAL OBS 900	MEAN 48.6 S D 4.807 4.959 TOTAL OBS 930	MEAN 55.2 S D 4.959 4.694 TOTAL OBS 900	MEAN 58.8 S D 4.694 4.398 TOTAL OBS 930	MEAN 57.4 S D 4.398 5.214 TOTAL OBS 930	MEAN 49.8 S D 5.214 8.11210.91913.447 TOTAL OBS 900	MEAN 35.4 S D 8.11210.91913.447 TOTAL OBS 930	MEAN 21.9 S D 10.91913.447 TOTAL OBS 899	MEAN 13.5 S D 13.447 TOTAL OBS 930	MEAN 36.4 S D 18.908 TOTAL OBS 10955
11-14	MEAN 17.4 S D 13.52510.799 TOTAL OBS 930	MEAN 21.6 S D 13.52510.799 TOTAL OBS 846	MEAN 30.0 S D 10.799 7.926 TOTAL OBS 930	MEAN 40.5 S D 7.926 6.212 TOTAL OBS 900	MEAN 51.9 S D 6.212 5.164 TOTAL OBS 930	MEAN 58.0 S D 5.164 5.486 TOTAL OBS 900	MEAN 61.7 S D 5.486 5.432 TOTAL OBS 930	MEAN 60.9 S D 5.432 5.245 TOTAL OBS 930	MEAN 53.2 S D 5.245 5.147 TOTAL OBS 900	MEAN 38.1 S D 5.147 7.930 TOTAL OBS 930	MEAN 24.5 S D 7.930 9.35712.074 TOTAL OBS 900	MEAN 16.0 S D 12.074 TOTAL OBS 929	MEAN 39.6 S D 18.609 TOTAL OBS 10955
14-17	MEAN 16.6 S D 14.06610.740 TOTAL OBS 930	MEAN 22.2 S D 14.06610.740 TOTAL OBS 846	MEAN 31.1 S D 10.740 7.365 TOTAL OBS 930	MEAN 41.2 S D 7.365 6.058 TOTAL OBS 900	MEAN 52.4 S D 6.058 5.139 TOTAL OBS 930	MEAN 58.7 S D 5.139 5.594 TOTAL OBS 900	MEAN 62.4 S D 5.594 5.562 TOTAL OBS 930	MEAN 61.7 S D 5.562 5.328 TOTAL OBS 930	MEAN 53.8 S D 5.328 5.213 TOTAL OBS 900	MEAN 38.0 S D 5.213 7.80810.04212.819 TOTAL OBS 930	MEAN 23.2 S D 7.80810.04212.819 TOTAL OBS 900	MEAN 15.0 S D 12.819 TOTAL OBS 927	MEAN 39.8 S D 19.156 TOTAL OBS 10953
17-20	MEAN 15.0 S D 15.17512.329 TOTAL OBS 930	MEAN 18.6 S D 15.17512.329 TOTAL OBS 846	MEAN 28.0 S D 12.329 8.124 TOTAL OBS 930	MEAN 38.5 S D 8.124 5.713 TOTAL OBS 900	MEAN 49.9 S D 5.713 5.185 TOTAL OBS 930	MEAN 56.5 S D 5.185 5.213 TOTAL OBS 900	MEAN 60.5 S D 5.213 5.120 TOTAL OBS 930	MEAN 59.2 S D 5.120 4.876 TOTAL OBS 930	MEAN 50.4 S D 4.876 5.336 TOTAL OBS 900	MEAN 35.3 S D 5.336 7.85011.06513.523 TOTAL OBS 930	MEAN 21.2 S D 7.85011.06513.523 TOTAL OBS 900	MEAN 14.0 S D 13.523 TOTAL OBS 927	MEAN 37.4 S D 19.234 TOTAL OBS 10953
20-23	MEAN 14.7 S D 15.46512.984 TOTAL OBS 930	MEAN 16.4 S D 15.46512.984 TOTAL OBS 846	MEAN 25.3 S D 12.984 8.985 TOTAL OBS 930	MEAN 34.8 S D 8.985 5.083 TOTAL OBS 900	MEAN 45.8 S D 5.083 4.727 TOTAL OBS 930	MEAN 52.9 S D 4.727 4.236 TOTAL OBS 900	MEAN 57.1 S D 4.236 4.052 TOTAL OBS 930	MEAN 55.1 S D 4.052 4.278 TOTAL OBS 929	MEAN 47.2 S D 4.278 5.299 TOTAL OBS 900	MEAN 33.8 S D 5.299 8.22711.30513.709 TOTAL OBS 930	MEAN 20.7 S D 8.22711.30513.709 TOTAL OBS 900	MEAN 13.5 S D 13.709 TOTAL OBS 927	MEAN 34.9 S D 18.242 TOTAL OBS 10952
ALL HOURS	MEAN 15.2 S D 15.04613.024 TOTAL OBS 7440	MEAN 17.4 S D 15.04613.024 TOTAL OBS 6768	MEAN 25.8 S D 13.024 9.789 TOTAL OBS 7440	MEAN 35.9 S D 9.789 6.939 TOTAL OBS 7200	MEAN 47.0 S D 6.939 6.332 TOTAL OBS 7439	MEAN 54.0 S D 6.332 5.829 TOTAL OBS 7200	MEAN 57.9 S D 5.829 5.571 TOTAL OBS 7440	MEAN 56.4 S D 5.571 5.894 TOTAL OBS 7437	MEAN 48.7 S D 5.894 6.377 TOTAL OBS 7199	MEAN 34.9 S D 6.377 8.44611.05913.417 TOTAL OBS 7440	MEAN 21.6 S D 8.44611.05913.417 TOTAL OBS 7199	MEAN 14.0 S D 13.417 TOTAL OBS 7430	MEAN 35.8 S D 18.657 TOTAL OBS 87632

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

701720 ELMENDORF AFB AK

73-82

STATION		STATION NAME												YEARS											
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0-02	MEAN	13.0	13.7	20.9	29.3	38.4	45.8	50.7	49.8	43.1	31.1	19.5	12.5	30.7											
	S D	14.59	12.87	9.38	5.09	3.81	3.29	2.92	3.83	5.26	7.69	10.93	13.19	16.52											
	TOTAL OBS	930	846	930	900	929	900	930	924	900	930	900	930	10949											
3-05	MEAN	12.9	12.9	19.8	28.1	37.4	45.1	49.8	48.5	42.1	30.6	19.2	12.3	30.0											
	S D	14.61	13.19	10.02	5.61	3.89	3.36	2.88	4.16	5.45	7.97	11.13	13.25	16.45											
	TOTAL OBS	930	846	930	900	930	900	930	927	899	930	900	930	10952											
6-08	MEAN	12.8	12.6	19.6	29.4	39.7	46.8	51.3	50.0	42.7	30.3	19.0	12.2	30.6											
	S D	14.55	13.31	10.03	5.70	3.62	3.12	2.72	3.74	5.32	8.15	11.09	13.21	17.05											
	TOTAL OBS	929	846	930	900	930	900	930	927	900	930	899	929	10950											
9-11	MEAN	13.5	15.4	23.2	32.3	41.8	48.4	52.9	52.4	45.6	32.6	20.6	12.6	32.7											
	S D	14.17	11.87	8.01	5.30	3.59	3.29	2.88	3.57	4.51	7.48	10.28	12.87	16.89											
	TOTAL OBS	930	846	930	900	930	900	930	928	900	930	899	930	10953											
12-14	MEAN	15.9	19.2	26.1	34.3	43.3	49.8	54.3	54.0	47.2	34.3	22.9	14.8	34.8											
	S D	12.64	10.08	7.01	4.96	3.71	3.50	3.07	3.67	4.15	7.16	8.73	11.46	16.02											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	927	10953											
15-17	MEAN	15.1	19.6	26.9	34.8	43.4	50.0	54.6	54.5	47.8	34.4	21.7	13.9	34.8											
	S D	13.21	10.02	6.56	4.65	3.69	3.59	3.08	3.62	4.13	7.10	9.48	12.21	16.43											
	TOTAL OBS	929	846	930	900	930	900	930	930	900	930	900	927	10952											
18-20	MEAN	13.6	16.7	25.0	33.5	42.3	49.0	53.8	53.5	46.1	32.7	20.0	13.0	33.4											
	S D	14.26	11.53	7.44	4.64	3.74	3.33	2.89	3.44	4.67	7.43	10.55	12.95	16.97											
	TOTAL OBS	929	846	930	900	930	900	930	930	900	930	900	926	10951											
1-23	MEAN	13.2	14.8	22.9	31.3	40.4	47.5	52.4	51.4	44.0	31.5	19.6	12.6	31.9											
	S D	14.46	12.31	8.37	4.66	3.73	3.28	2.78	3.66	5.01	7.77	10.74	13.08	16.77											
	TOTAL OBS	930	846	930	900	930	900	930	927	900	930	900	927	10950											
ALL HOURS	MEAN	13.8	15.6	23.0	31.6	40.8	47.8	52.5	51.8	44.8	32.2	20.3	13.0	32.4											
	S D	14.11	12.22	8.84	5.61	4.27	3.76	3.33	4.23	5.23	7.74	10.47	12.81	16.73											
	TOTAL OBS	7437	6768	7440	7200	7439	7200	7440	7423	7199	7440	7198	7426	87610											

DEW-POINT TEMPERATURES DEG F FROM NCURLY OBSERVATIONS

702720 ELMENDORF AFB AK

73-82

ACKNOWLEDGMENTS

STATION NAME

YEARS

USAFETAC FORM 0 89-5 (OLA)

RELATIVE HUMIDITY

344

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.2	97.5	92.5	79.1	55.4	26.8	9.5	71.4	933
	03-05	100.0	100.0	99.7	98.1	93.9	82.7	58.6	27.5	7.5	72.0	933
	06-08	100.0	100.0	99.7	98.5	94.0	82.3	59.7	25.4	7.4	72.3	929
	09-11	100.0	100.0	99.9	97.8	94.1	82.7	56.5	27.0	8.3	72.2	930
	12-14	100.0	99.9	99.5	97.2	91.6	81.4	55.9	26.1	7.4	71.3	933
	15-17	100.0	100.0	99.2	97.3	91.1	80.9	54.8	26.6	7.4	71.2	929
	18-20	100.0	100.0	99.6	98.0	91.6	82.7	56.4	27.8	8.7	71.8	929
	21-23	100.0	100.0	99.7	98.2	92.2	79.5	54.5	24.9	8.6	71.2	930
TOTALS		100.0	100.0	99.6	97.8	92.6	81.4	56.5	26.5	8.1	71.7	7437

RELATIVE HUMIDITY

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MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	98.3	94.6	86.8	70.1	51.4	24.3	5.7	68.7	846
	03-05	100.0	99.8	98.8	95.6	88.8	73.4	53.1	24.5	6.9	69.7	848
	06-08	100.0	100.0	98.9	96.6	87.0	72.7	52.7	22.6	5.2	69.2	846
	09-11	100.0	100.0	98.7	95.3	86.3	69.6	46.9	21.3	4.0	67.8	846
	12-14	100.0	100.0	98.0	92.6	78.8	57.7	34.9	18.7	4.3	64.2	846
	15-17	100.0	99.6	97.6	90.0	76.6	54.3	33.5	18.4	4.0	62.9	846
	18-20	100.0	99.6	97.6	93.5	83.5	63.9	42.9	20.3	4.5	66.3	846
	21-23	100.0	100.0	98.2	94.4	84.8	69.1	47.6	23.3	5.5	68.1	846
TOTALS		100.0	99.9	98.3	94.1	84.1	66.4	45.4	21.7	5.1	67.1	5768

RELATIVE HUMIDITY

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MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	98.6	90.6	76.9	50.8	25.6	5.1	70.4	930
	03-05	100.0	100.0	100.0	99.0	94.4	80.1	53.3	28.1	7.3	71.6	930
	06-08	100.0	100.0	100.0	99.2	94.8	81.6	54.4	26.8	8.1	72.0	930
	09-11	100.0	100.0	99.9	97.4	86.1	64.8	37.5	16.3	4.4	66.2	930
	12-14	100.0	100.0	99.6	91.7	69.6	45.4	21.7	8.6	2.9	59.3	930
	15-17	100.0	100.0	99.5	89.8	66.8	41.8	20.4	8.4	1.5	58.3	930
	18-20	100.0	100.0	99.9	95.7	83.1	60.4	36.1	15.7	3.5	65.2	930
	21-23	100.0	100.0	100.0	98.6	88.0	73.2	45.9	23.5	6.7	69.0	930
TOTALS		100.0	100.0	99.9	96.3	84.2	65.5	40.0	19.3	5.1	66.5	7440

RELATIVE HUMIDITY

422

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	99.3	91.1	79.1	51.3	28.3	7.1	71.2	900
	03-05	100.0	100.0	100.0	99.6	92.8	83.3	60.4	34.7	8.3	73.5	900
	06-08	100.0	100.0	100.0	98.2	91.3	75.6	47.8	24.0	6.9	69.9	900
	09-11	100.0	100.0	99.1	90.2	68.9	41.4	20.6	9.7	3.0	59.1	900
	12-14	100.0	100.0	95.3	76.2	47.9	27.9	15.6	8.1	1.1	53.0	900
	15-17	100.0	99.8	94.9	75.1	48.4	28.6	15.0	8.2	2.0	52.9	900
	18-20	100.0	99.9	98.6	88.1	69.6	44.3	23.0	13.3	3.1	59.6	900
	21-23	100.0	100.0	99.7	96.4	86.1	67.7	40.8	20.4	5.4	67.2	900
TOTALS		100.0	100.0	98.5	90.4	74.5	56.0	34.3	18.3	4.6	63.3	7200

RELATIVE HUMIDITY

W A Y

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.7	95.5	77.4	46.2	20.9	4.7	70.3	929
	03-05	100.0	100.0	100.0	100.0	98.7	88.6	62.4	29.8	6.9	74.1	930
	06-08	100.0	100.0	99.9	98.9	90.5	67.5	35.2	12.9	4.0	66.9	930
	09-11	100.0	100.0	99.1	89.2	60.0	32.7	14.5	4.9	1.2	55.9	930
	12-14	100.0	100.0	96.0	71.5	36.9	14.5	6.8	2.3	.1	48.5	930
	15-17	100.0	100.0	93.6	66.0	32.7	13.3	6.1	2.9	.1	47.2	930
	18-20	100.0	100.0	97.8	78.3	49.7	24.6	11.0	4.0	.8	52.3	930
	21-23	100.0	100.0	99.7	96.0	79.1	54.7	28.3	10.0	2.9	62.8	930
TOTALS		100.0	100.0	98.3	87.5	67.9	46.7	26.3	11.0	2.6	59.8	7439

RELATIVE HUMIDITY

PERIOD

JUN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	03-02	100.0	100.0	100.0	100.0	97.1	84.3	57.7	29.0	3.8	72.0	900
	03-05	100.0	100.0	100.0	99.9	98.2	90.3	66.7	28.7	3.9	74.2	900
	06-08	100.0	100.0	100.0	99.3	92.8	74.7	43.9	15.3	2.9	68.3	900
	09-11	100.0	100.0	100.0	95.7	78.6	46.9	24.1	8.3	1.0	61.0	900
	12-14	100.0	100.0	98.9	87.8	60.7	30.7	15.0	5.0	.8	55.4	900
	15-17	100.0	100.0	98.1	84.0	57.3	30.0	13.3	2.9	.7	54.1	900
	18-20	100.0	100.0	99.0	89.6	69.0	43.7	21.1	6.2	.5	58.5	900
	21-23	100.0	100.0	100.0	98.6	87.4	68.6	45.0	13.0	2.1	67.0	900
TOTALS		100.0	100.0	99.5	94.4	80.1	58.7	35.9	12.4	2.0	63.8	7200

RELATIVE HUMIDITY

JUL
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	03-02	100.0	100.0	100.0	100.0	98.9	92.8	77.0	40.0	11.0	77.8	933
	03-05	100.0	100.0	100.0	100.0	99.5	96.3	83.4	45.6	14.8	79.7	930
	05-08	100.0	100.0	100.0	100.0	97.1	86.8	66.7	31.0	8.5	74.9	933
	09-11	100.0	100.0	100.0	98.8	87.7	68.2	42.7	17.7	3.7	67.7	930
	12-14	100.0	100.0	99.9	94.3	78.2	48.8	29.9	11.0	1.8	62.2	930
	15-17	100.0	100.0	99.9	92.4	72.7	44.9	27.3	10.2	2.0	60.8	930
	18-20	100.0	100.0	100.0	95.7	80.4	59.2	35.5	14.3	3.0	64.8	933
	21-23	100.0	100.0	100.0	99.8	94.3	80.6	61.4	28.5	7.3	73.3	930
TOTALS		100.0	100.0	100.0	97.6	88.6	72.2	53.0	24.8	6.5	70.2	7440

RELATIVE HUMIDITY

1-2727
STATION

ELMENDORE AFB AK

73-82

PERIOD

AUG
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.8	96.9	85.7	52.5	17.1	81.0	924
	03-05	100.0	100.0	100.0	100.0	100.0	98.8	92.1	64.5	27.6	93.4	927
	06-08	100.0	100.0	100.0	100.0	99.6	95.0	82.1	49.9	14.8	80.1	927
	09-11	100.0	100.0	99.8	98.7	94.1	78.7	52.6	24.0	4.3	71.2	924
	12-14	100.0	99.7	99.2	94.5	81.7	56.9	33.8	13.5	2.2	64.0	933
	15-17	100.0	99.7	98.7	94.8	78.5	55.2	30.3	12.2	2.3	63.0	933
	18-20	100.0	99.8	99.6	98.0	89.8	71.7	47.4	21.4	4.1	69.1	933
	21-23	100.0	100.0	99.9	99.5	97.7	92.2	75.8	44.3	12.1	77.7	927
TOTALS		100.0	99.9	99.7	98.2	92.5	80.4	62.4	35.1	9.7	73.7	782

RELATIVE HUMIDITY

SEP
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.8	96.2	85.7	54.6	19.0	81.0	970
	03-05	100.0	100.0	100.0	100.0	99.1	97.7	90.1	62.7	21.7	82.6	899
	06-08	100.0	100.0	100.0	100.0	99.3	96.8	89.8	56.1	21.2	81.8	900
	09-11	100.0	100.0	100.0	99.7	95.6	82.8	57.1	26.1	9.0	72.4	970
	12-14	100.0	100.0	99.9	96.2	83.7	58.0	33.8	14.2	4.4	64.3	970
	15-17	100.0	100.0	99.3	94.8	78.7	57.8	34.8	13.8	4.0	63.8	900
	18-20	100.0	100.0	99.9	98.0	93.2	81.6	60.2	27.3	7.3	72.5	900
	21-23	100.0	100.0	100.0	99.3	97.7	91.3	77.1	45.6	13.4	78.0	900
TOTALS		100.0	100.0	99.9	98.5	93.3	82.8	66.1	37.6	12.4	74.6	7199

RELATIVE HUMIDITY

251
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.9	99.1	94.7	85.9	74.7	51.5	17.3	77.9	930
	03-05	100.0	100.0	100.0	99.2	95.7	88.5	77.5	51.2	18.1	78.4	930
	06-08	100.0	100.0	100.0	99.2	96.9	90.4	76.0	52.3	17.6	78.7	930
	09-11	100.0	100.0	99.7	98.8	94.2	83.1	61.9	37.1	11.8	74.3	930
	12-14	100.0	100.0	99.0	96.3	87.2	68.8	46.2	24.1	7.4	68.6	930
	15-17	100.0	100.0	98.9	95.9	87.1	72.1	51.2	30.0	8.2	69.8	930
	18-20	100.0	100.0	99.9	97.8	94.1	84.8	68.6	49.6	12.0	75.6	930
	21-23	100.0	100.0	100.0	98.5	94.7	85.9	72.8	49.4	16.5	77.2	930
TOTALS		100.0	100.0	99.7	98.1	93.1	82.2	66.1	42.5	13.6	75.1	7000

RELATIVE HUMIDITY

PERIOD

424
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.3	97.6	94.0	82.1	51.9	16.3	79.4	920
	03-05	100.0	100.0	100.0	99.4	97.7	93.6	83.2	51.6	14.4	79.3	920
	06-08	100.0	100.0	100.0	99.3	98.0	93.7	82.6	51.5	17.5	79.5	899
	09-11	100.0	100.0	99.9	99.3	96.3	92.2	79.2	48.8	13.0	78.3	699
	12-14	100.0	100.0	99.7	98.9	95.2	88.0	71.9	41.4	10.3	76.2	900
	15-17	100.0	100.0	100.0	99.4	97.1	91.8	77.0	45.0	11.7	77.6	900
	18-20	100.0	100.0	100.0	99.3	97.6	92.9	80.9	50.0	17.0	79.1	900
	21-23	100.0	100.0	100.0	99.7	97.9	93.2	81.9	52.6	17.8	79.5	900
TOTALS		100.0	100.0	100.0	99.3	97.2	92.4	79.9	49.1	14.8	78.6	7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7-2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82

PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.7	98.2	93.2	81.5	65.1	38.7	12.3	74.4	933
	03-05	100.0	100.0	99.8	98.6	93.2	81.6	66.5	36.2	12.3	74.3	933
	06-08	100.0	100.0	100.0	98.9	93.1	83.6	69.1	37.1	11.7	74.8	929
	09-11	100.0	100.0	99.8	99.2	94.5	84.8	70.2	38.7	13.7	75.3	933
	12-14	100.0	100.0	100.0	98.8	94.2	82.8	67.9	35.9	12.6	74.5	927
	15-17	100.0	100.0	99.9	98.8	94.0	83.5	68.0	36.2	12.7	74.7	927
	18-20	100.0	100.0	99.6	98.6	92.1	84.0	66.5	36.4	11.2	74.3	926
	21-23	100.0	100.0	99.8	99.0	92.0	82.3	65.8	36.9	13.1	74.4	927
TOTALS		100.0	100.0	99.8	98.8	93.3	83.0	67.3	37.0	12.5	74.6	7426

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 2720
STATION

ELMENDORF AFB AK
STATION NAME

73-82
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.6	97.8	92.6	81.4	56.5	26.5	8.1	71.7	7437
FEB		100.0	99.9	98.3	94.1	84.1	66.4	45.4	21.7	5.1	67.1	6768
MAR		100.0	100.0	99.9	96.3	84.2	65.5	40.0	19.3	5.1	66.5	7440
APR		100.0	100.0	98.5	90.4	74.5	56.0	34.3	18.3	4.6	63.3	7200
MAY		100.0	100.0	98.3	87.5	67.9	46.7	26.3	11.0	2.6	59.8	7439
JUN		100.0	100.0	99.5	94.4	80.1	58.7	35.9	12.4	2.0	63.8	7200
JUL		100.0	100.0	100.0	97.6	88.6	72.2	53.0	24.8	6.5	70.2	7440
AUG		100.0	99.9	99.7	98.2	92.5	80.4	62.4	35.3	9.7	73.7	7423
SEP		100.0	100.0	99.9	98.5	93.3	82.8	66.1	37.6	12.4	74.6	7199
OCT		100.0	100.0	99.7	98.1	93.1	82.2	66.1	42.5	13.6	75.1	7440
NOV		100.0	100.0	100.0	99.3	97.2	92.4	79.9	49.1	14.8	78.6	7198
DEC		100.0	100.0	99.8	98.8	93.3	83.0	67.3	37.0	12.5	74.6	7426
TOTALS		100.0	100.0	99.4	95.9	86.8	72.3	52.8	28.0	8.1	69.9	87610

USAFETAC

FORM
JAN 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

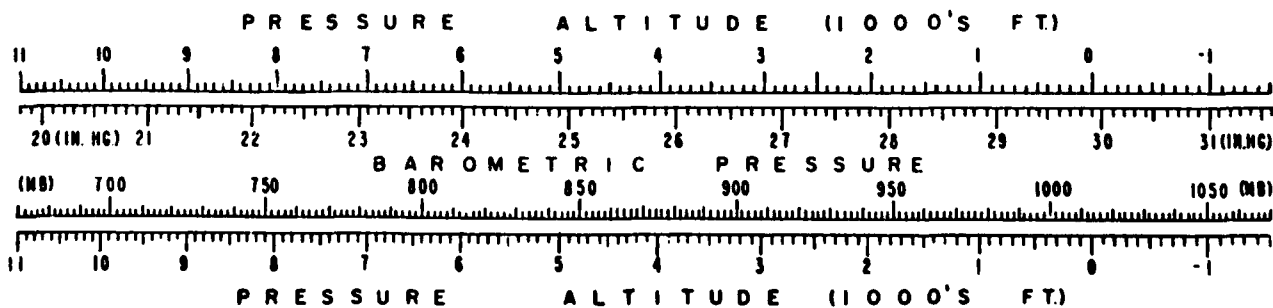
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7 2721 ELMENDORF AFB AK

73-82

STATION		YEARS												
HRS	1ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	29.51729	45829	47229	55229	60629	69329	71829	69829	52829	34729	40629	398	29.533
	S D	.453	.432	.304	.296	.251	.185	.175	.205	.258	.136	.430	.452	.351
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
05	MEAN	29.50929	45229	46629	55129	60729	69329	72129	69729	52329	33929	40029	391	29.530
	S D	.447	.431	.304	.297	.252	.186	.174	.207	.256	.137	.429	.452	.351
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
08	MEAN	29.51129	45529	47029	55829	60929	69329	72429	70029	53029	34529	40529	393	29.533
	S D	.444	.427	.304	.296	.252	.187	.174	.208	.254	.138	.429	.454	.350
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	29.52229	46529	47529	55929	60229	68729	72329	69829	53429	35429	41529	405	29.537
	S D	.442	.429	.305	.293	.249	.187	.175	.208	.255	.138	.429	.457	.348
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
14	MEAN	29.50829	45129	46329	54529	58829	67429	71029	68529	52029	34129	40529	395	29.524
	S D	.441	.431	.305	.291	.247	.187	.175	.206	.255	.136	.429	.457	.348
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
17	MEAN	29.50129	44129	44929	53129	58129	66129	69829	66929	50629	33329	40229	395	29.514
	S D	.440	.431	.305	.291	.245	.186	.173	.205	.256	.137	.431	.453	.346
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
20	MEAN	29.50229	44729	45929	53929	59129	66729	70229	67529	51329	33729	40329	399	29.520
	S D	.443	.433	.305	.292	.244	.185	.172	.204	.259	.137	.434	.453	.347
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
23	MEAN	29.50629	45729	46729	54929	60929	68629	72029	68729	52229	34329	40729	408	29.531
	S D	.447	.432	.303	.293	.245	.185	.174	.205	.261	.139	.436	.456	.350
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	29.51029	45329	46529	54829	59929	68229	71429	68829	52229	34229	40529	398	29.528
	S D	.444	.430	.304	.293	.248	.186	.174	.206	.257	.137	.430	.454	.349
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2476	29212

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

100720 ELMENDORF AFB AK

73-82

STATION NAME		YEARS												
HR	ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN	1008.11006.01006.41009.11010.81013.81014.61013.81008.11001.91004.21004.0	1008.4											
	S.D.	15.51214.79610.44710.153	8.642											
	TOTAL OBS.	310	282											
	310	300												
2	MEAN	1007.81005.81006.21009.11010.81013.81014.71013.81007.91001.71004.01003.8	1008.3											
	S.D.	15.33214.73010.41810.208	8.668											
	TOTAL OBS.	310	282											
	310	300												
3	MEAN	1007.91006.01006.41009.31010.91013.81014.81014.01008.21002.01004.21003.9	1008.4											
	S.D.	15.21914.64110.42710.188	8.653											
	TOTAL OBS.	310	282											
	310	300												
4	MEAN	1008.31006.31006.51009.31010.71013.51014.71013.91008.31002.31004.51004.3	1008.6											
	S.D.	15.13414.69210.47210.082	8.581											
	TOTAL OBS.	310	282											
	310	300												
5	MEAN	1007.81005.81006.11008.81010.21013.11014.31013.41007.81001.81004.21003.9	1008.1											
	S.D.	15.07514.74610.470	9.991											
	TOTAL OBS.	310	282											
	310	300												
6	MEAN	1007.61005.41005.61008.31009.91012.61013.91012.91007.31001.51004.11003.9	1007.8											
	S.D.	15.09814.76610.433	9.979											
	TOTAL OBS.	310	282											
	310	300												
7	MEAN	1007.51005.61006.01008.61010.31012.91014.01013.11007.61001.71004.11004.1	1008.0											
	S.D.	15.16914.81710.43410.015	8.386											
	TOTAL OBS.	309	282											
	310	300												
8	MEAN	1007.71006.01006.21008.91010.91013.51014.61013.51007.91001.91004.31004.4	1008.3											
	S.D.	15.29414.76210.40510.081	8.434											
	TOTAL OBS.	310	282											
	310	300												
9	MEAN	1007.81005.91006.21008.91010.61013.41014.41013.51007.91001.91004.21004.0	1008.2											
	S.D.	15.21014.72310.42710.078	8.531											
	TOTAL OBS.	2479	2256											
	2480	2400												



**DATE
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